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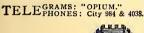
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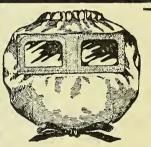
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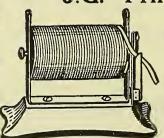
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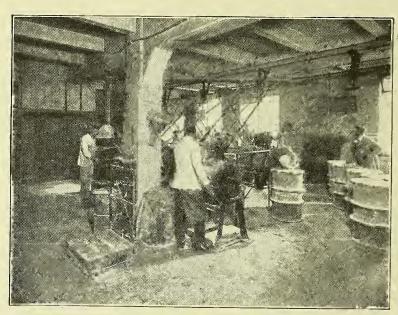
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Essential Oils, Drugs, Chemicals, &c.—National Aniline & Chemical Co., New York.



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No Shortage of Cystopurin

Full supplies of Cystopurin are being produced at our London factory; only British labour is employed, and all the materials are obtained here. This new line carries a handsome profit for the retailer, and the demand for it is steadily increasing.

Physicians are relying more and more on Cystopurin as a Urinary Antiseptic in Gonorrhœa, Cystitis, and other Infective Diseases of the Bladder.

Cystopurin is a double salt of Hexamethylene-tetramine and Sodium Acetate with water of crystallisation. Pharmacists should keep it regularly in stock, as it is often demanded with great urgency.

Special Advantages of Cystopurin.

In *The Lancet*, August 21, 1913, a Surgeon writes:—"Cystopurin can be employed freely, safely and effectively in all affections of the urinary tract, whether of toxic or bacterial origin."

The superiority of Cystopurin over other preparations of Hexamethylenetetramine is evidenced by the following results:—

In Gonorrhœa:

- 1. Relieves pain
- 2. Diminishes and thins the discharge
- 3. Prevents extension to posterior urethra

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- 1. Urine becomes clear
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Pepsine

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NUMBER 191

JUNE 12, 1915

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An attractive style in the favourite material for a cheap reliable cap. The piping is in various colours, and gives a neat finish. Sure to be popular.

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We hold a large consignment of French manufactured assorted Tooth Brushes. Celluloid handles in cherry and lemon, a fitted with good quality bristles. A big

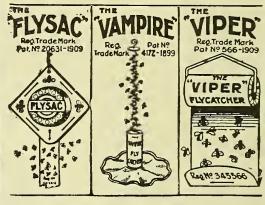
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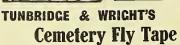
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The original and best of all Sticky Fly Papers, 5/- per gross net, carriage paid, Cash with order.





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Per Gross 5/6 Carriage Paid.

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The acknowledged Standard Filter, A real preventive of water-borne

The only filter the Profession can recommend.

The Filter is made in a variety of patterns for attachment to the main, for table use, and for travellers. Write for List B.

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Card boxes: 2 doz. 3d. tins, 2/1 per doz.; 1 doz. 6d. tins, 3/8; also in 1/- tins @ 7/5 per doz.; and 2/6 tins @ 18/- per doz.

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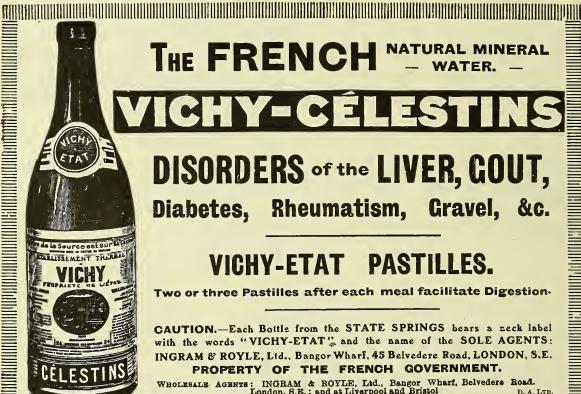
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Identical in composition with original German Lysol, and equally efficient.

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DISORDERS of the LIVER, GOUT, Diabetes, Rheumatism, Gravel, &c.

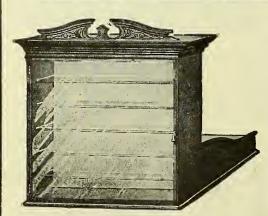
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Two or three Pastilles after each meal facilitate Digestion.

CAUTION .- Each Bottle from the STATE SPRINGS bears a zeck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E. PROPERTY OF THE FRENCH GOVERNMENT.

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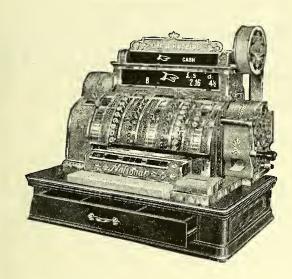
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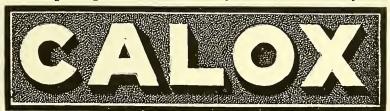
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Not only antiseptic, but desolvent, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

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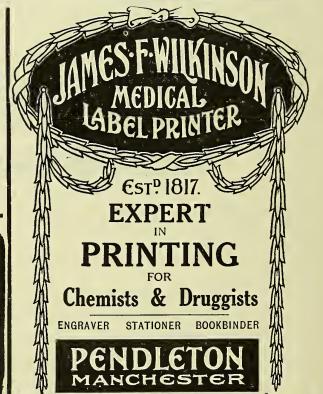
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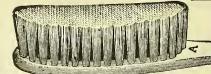
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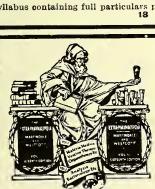
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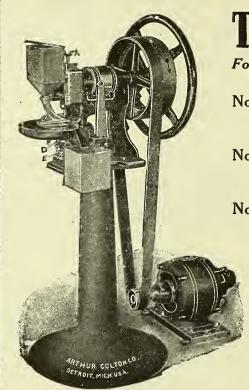
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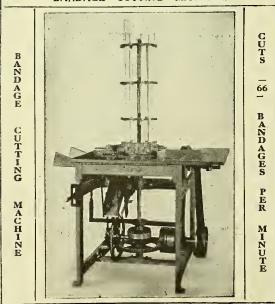
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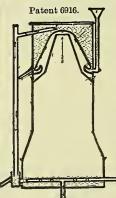
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Summary.

"Chemists' Windows," the new C. & D. book, is reviewed on p. 45.

German preventives and remedies for trench insect-pests are enumerated on p. 34.

The latest about atoms and radiation, as told by Sir Ernest Rutherford to the Royal Institution, is reported on p. 35.

Our obituary section contains the names of several young men connected with the drug-trade who have lost their lives in the war (p. 43).

"Xrayser II." sums up the position as regards the medical examinations in relation to pharmaceutical qualifications (p. 47). See also p. 63.

British export and import trade in May again showed marked progress, and something like normal conditions appear to be not far off (p. 49).

Many French pharmaciens in and from the war area are sadly in need of help, and we print on p. 51 a translation of a circular about this matter issued by the leading trade body in France.

In our third article on spirituous medicines we deal with the Customs arrangements for exportation of such prepara-tions on drawback, the S.V.R. record (about which corre-spondents also write, see p. 62), and the position of the drug-trade in Ireland (p. 49).

The British Pharmacopæia Committee of the General Medical Council has reported on its work, and Dr. Nestor Tirard, the Secretary of the Committee and Editor of the B.P., has retired from these positions owing to war work. See the report of the Council on p. 52.

Business in drugs and chemicals is fair, the bulk of changes favouring sellers. Citric acid, tartaric acid, and cream of tartar have further advanced. Mercury, cardamoms, chiretta, Sumatra benzoin, and grey Jamaica sarsaparilla are all easier. Hexamine, hydroquinone, resorcin, botash permanganate, and salol are selling at higher rates (p. 58).

European War.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—Cicero.

Thirty-eighth List.

Balsillie, Signaller John (lately with Harkness, Beaumont & Co., Junction Bridge, Edinburgh), Royal Navy. Finnemore, Horace, B.Sc., F.I.C., Ph.C., Guy's Hospital, London, Inns of Court O.T.C.

Fraser, Driver Alexander (lately with Mr. J. R. Reith, chemist, Cults, Aberdeenshire), 1st Highland Division (Signal Company) Royal Engineers (T.).

Fraser, Robert (lately apprentice with Mr. John Cruick-

Fraser, Robert (lately apprentice with Mr. John Cruick-hank, chemist, Bucksburn, Aberdeenshire), 3rd/1st Highland Field Ambulance, R.A.M.C. (T.).

Hart, Arnold (son of the late Mr. Frank Hart, Ph.C., Bolton), Army Service Corps (Mechanical Transport).

Hoare, Cecil (son of Mr. W. R. Hoare, chemist, Harlesden, London, N.W.), Royal Horse Guards.

Humphrey, Norman (voungest son of Mr. John T. Humphrey, Ph.C., London), Inns of Court O.T.C.

Jones, Sergeant E., Cilgryfawr, R.A.M.C. Sergeant Jones is now on his way to Egypt.

MCLeod, John (lately with Harkness, Beaumont & Co., Junction Bridge, Edinburgh), R.A.M.C.

Mearns, Robert (lately with Mr. J. R. Reith, chemist, Cults, Aberdeenshire), 2nd Highland Field Ambulance, R.A.M.C. (T.).

Pattinson, Albert G. (lately with Mr. Thomas Swales,

R.A.M.C. (T.).

PATTINSON, Albert G. (lately with Mr. Thomas Swales, druggists' sundriesman, Leeds), Northumberland Fusiliers. RICHARDSON, R. B. (lately with Mr. J. M. Morrison, chemist, Elm Row, Edinburgh), R.A.M.C.

SAWYER, SIDNEY W. (nephew and former pupil of Mr. A. E. Sawyer, chemist, Southwold), Inns of Court O.T.C.

SEALS, JOHN, chemist and druggist, Berwick-on-Tweed flately with Brunton & Co., chemists, Earl's Court, London), 14th (Edinburgh) Battalion Argyll and Sutherland Highlanders

landers.

Weir, Alexander (son of Mr. A. S. Weir, chemist, Kennay, Aberdeenshire), R.A.M.C.

WOOD, J. (lately with Goodall, Backhouse & Co., Leeds),

Wood, Field Artillery.

Wood, Private A. W. (son of Mr. A. G. Wood, Birmingham, of the representative staff of Duncan, Flockhart & Co.), Australian Expeditionary Force (West Australian Contingent). Private Wood is now on active service in Egypt.

Mr. Haxton Adamson, chemist and druggist, Leven, has just returned to "somewhere in France" after five days' leave to attend the funeral of a relative. Mr. Adamson is attached to the Army Service Corps as "dispenser." He states that he and his colleagues are overwhelmed with work, but face their duties cheerily.

The following employés of Lorimer & Moyes, Glasgow, are serving with the Colours:—Glasgow House: Private Clark, Glasgow Commercial Battalion; Corporal R. Wilson, 2nd Scottish Horse. Edinburgh House: Private Thomas Jeffrey, R.A.M.C.; Private Fred Lumsden, 3rd Batalion Gordon Highlanders; Lance-Corporal David McLean, 1/7th Royal Scots (among the missing in the railway disaster at Gretna).

Mr. F. G. PIQUET, chemist and druggist, The Halket Mr. F. G. Piquet, chemist and druggist, The Halket Pharmacy, St. Helier, Jersey, after a period of much anxiety, has received news that his son, Sergeant A. F. Piquet, 3rd Battalion 101st Edmonton Fusiliers, who Lad been officially reported missing (C. & D., June 5, p. 34), and unofficially reported dead, is a prisoner of war at Giessen, Germany, and is in good health. A postcard from Sergeant Piquet to his parents, informing them of his safety, came to hand on June 6. The adjutant of his regiment could only report that he had been missing since April 24, on which date he was in his company at St. Julien when they were overwhelmed and taken prisoners by the enemy. by the enemy.

Belgian Doctors' and Pharmacists' Relief Fund.

The following subscriptions have been received this week from pharmacists up to June 15: Mr. F. A. Williamson (from weighing-macline), 6s. 6d.; Mr. A. Pcake 2l. 12s. 9d.; Mr. J. W. Reed (per The British Drug Houses, Ltd.), 2l. 2s.; Mr. J. Cooper, 10s. 6d. Subscriptions may be sent to Mr. W. J. Uglow Woolcock, 17 Bloomsbury Square, London, W.C.

Prohibited Exports.

Austria-Hungary.—According to a decree of May 8 the following articles have been added to the list of prohibited exports: Ammonia, chloral hydrate, dionine, digalen, menthol, perhydrol, peppermint oil, pilocarpine, ipecacuanha, liquorice-root, rhubarb, valerian-root, salicylic acid and salts thereof, tannalbin, theobromine and its derivatives, and hexamethylenetetramine.

GERMANY.—According to a decree of the Imperial Chancellor, dated May 20, the exportation of wood-vinegar (crude acetic acid), oil-varnishes, spirit-varnishes, and shellac-preparations is prohibited. The prohibition of the exportation of natural magnesium carbonate (magnesite) has been revoked.

Miscellaneous.

ENEMY SUBMARINE ACTIVITY.—The steel barque Sunlight (1,433 gross tonnage), owned by Lever Bros., Ltd., Port Sunlight, which was on a voyage from the West Indies to Glasgow with a cargo of molasses, was torpedoed and sunk by a German submarine twenty-five miles off Galley Head on the evening of June 6. The government is the Head on the evening of June 6. The crew escaped in the vessel's boats, and were picked up by a trawler.

Mr. W. Maskew, Ph.C., Tower Lodge, Penfold Road, Clacton-on-Sea, is on June 15 and 16 selling off his furniture, owing to the expiry of his tenancy. The catalogue of the sale is illustrated with photographs of some fine specimens of antique furniture, of which Mr. Maskew is well known as a connoisseur. Lot 292 is "A German incendiary bomb dropped by a Zeppelin on Brookshill Road, Ispwich." This is intact, except that the tarred rope on the exterior shows signs of fire. It weighs 15 lb., and is being sold for the benefit of the local Red Cross Fund.

PORTSMOUTH PHARMACISTS have shown a practical interest in the local Volunteer Training Corps by contributing 131. 2s. 6d. towards the equipment of the Ambulance Section. Two guineas of this amount was given by the Pharmacists' Association, and the remainder was collected by the Secretary, Mr. A. B. Sparrow, from members who are unable to join the corps. About a dozen chemists occupy the fighting line, but so far Mr. Sparrow is the only one to join the ambulance section, and his special knowledge and energetic services have naturally been greatly appreciated by Dr. R. J. Lytle, the medical officer in charge.

GERMAN "KULTUR."—Sir William Ramsay, K.C.B., in a contribution to a symposium on German "Kultur" in the "Quarterly Review," institutes an inquiry as to the share Germans have had in scientific discovery and invention. He gives the following figures from "400 Jahre Pionier-Arbeit in den exacten Wissenschaften," by L. Darmstaedter and P. de Reviewad, published in 1014, Of 176 server. Arbeit in den exacten Wissenschaften," by L. Darmstaedter and R. du Bois-Reymond, published in 1914: Of 176 names mentioned between the years 1500 and 1600, 39 (or 22 per cent.) are German; of 312 entries from 1600 to 1700, 48 (or 15 per cent.) are German. In the next century there are 517 entries, of which 72 (or 14 per cent.) refer to German discoveries. From 1800 to 1850 there are 901 entries, of which Germans and Austrians form 234 (or nearly 26 per cent.). Between 1850 and 1900 the records show 477 (or 46 per cent.) out of 1,021 entries which can be ascribed to Teutonic sources. Sir William points out in connection to Teutonic sources. Sir William points out, in connection with the large percentage of German names in the list, that it was compiled by two German savants. The awards that it was compiled by two German savants. The awards of the Nobel prizes from 1901 to 1912 inclusive are also summarised. Fifty-eight awards have been made, of which 17 (or nearly 30 per cent.) were to Germans or Austrians. It is similarly shown that the ratio of German and Austrian foreign members and associates of the principal academics of the world is 28 per cent.

News from Enemy Countries.

Dr. Erich Böcker, a member of the firm of E. Sachsse & Co., Leipsic, and a captain in the Landwehr division of the German army, was killed in action in France on

PATENT-FEES IN GERMANY.—The "Apotheker Zeitung" states that the terms for the payment of patent-fees in Germany have been extended by three months for persons living in Europe, by four months for persons in the United States of America, and by six months for persons in other parts of the world.

SCARCITY OF TANNING-MATERIALS.—Attention is drawn in the Austro-Hungarian Press to the fact that the bark of fir trees makes an excellent tanning-material. At present m.4 per cwt. of air-dried bark is quoted, but the price has a tendency to advance. A new tannin-factory has been erected

in Sisak, Croatia, by a Viennese firm, the capital amounting to kr.1,000,000 and a staff of eighty to one hundred being

GERMAN POTASH SYNDICATE.—Since the prohibition of exports from Germany oversea trade has entirely ceased. Deliveries were permitted to Scandinavia, Holland, and Italy, but the last not now. The total exports for the first four months of 1915 show a decline of 1,739,000. to 2,487,000*l.*, compared with the corresponding period of 1914. The total turnover for 1914 in pure potash is returned at 903,988 tons (7,800,000*l.*), compared with 1,110,369 tons (9,550,000l.) in 1913.

SCARCITY OF ROSIN IN GERMANY.-In consequence of the SCARCITY OF KOSIN IN GERMANY.—In consequence of the cessation of the importation of rosin (colophony) into Germany, there is great lack of this substance in many industries for which it has become indispensable, particularly the manufacture of lubricants and writing-paper. The Prussian Minister of Agriculture has therefore directed attention to the possibility of collecting rosin in Germany (a) by making incisions in the trunks of fir-trees and collecting the polaries that evides: (b) collecting the rosin by ing the oleo-resin that exudes; (b) collecting the rosin by means of dry distillation of taper-wood; or (c) collecting the exudation from fir-trees that have been peeled by deer. The last is the only method by which rosin can be obtained immediately, as the first method cannot be practised till the autumn, and experiments should be carried out before trying the second method on the large scale. The Minister of Agriculture recommends the collection of the resinous exudations in the State forests. The "Harzabrechnungsstelle" in Berlin will pay collectors 10m. per centuer, provided the product contains at least 70 per cent. of pure rosin,

INSECT-PESTS.—The "Pharmaceutische Zeitung" enumerates the following preventives and remedies which have been recommended in Germany for insect-pests affecting soldiers in the trenches Many of these are well known, but it is useful to have the various remedies compared:

Asafetida.—Not very suitable on account of its dis-

agreeable smell.

Aniseed, worn in small bags round the neck, is very effective. The volatile oil in 30-per-cent. solution is also generally employed.

Anisol (phenyl-methyl ether) has been found by Pro-fessor Frankel (Vienna) to kill lice quickly, and to be superior to anise oil. Large quantities are being made in Austria for the use of the troops.

Benzine.—Dangerous to use and bad-smelling. Bergamot Oil.—Specially recommended by Dr. Galewsky,

It is employed as a 15-per-cent solution in alcohol. Carbolic Acid.—Very effective in aqueous solution. Cresols recommended by Herxheuner in the form of a powder containing 5 per cent of tricresol.

Ether.—Very effective, but dangerous owing to its information.

flammability.

Fennel employed like aniseed, also in the form of fennel oil. Insect-powder is not without danger if employed in

large quantities.

Menthol.-Insects are kept away if a menthol-cone is

applied to boots, socks, or body-linen.

Mercury.—The ointment has lost much of its popularity, and is not without danger if used freely. Mercury and chalk (1 and 4) in little bags is recommended to be worn as an insectifuge.

Naphthalin used in the form of powder, ointment, and

alcoholic solution (3 per cent.).

Naphthol used in alcoholic solution (2 to 3 per cent.).

Pepper is recommended by Rabe in the "Deutsche mediz. Wochenschr."

Petrol.—See Benzine.

Sulphur.—Strongly recommended by Dr. Eyssel. Should be dusted on the linings of clothes. The action of the sweat produces small quantities of sulphuretted hydrogen,

to which the efficiency of the remedy is due.

Turpentine.—Professor Thomas von Marschalks states that rectified turpentine oil kills insects instantly. It may be diluted with alcohol or used in the form of an ointment containing 50 per cent.

Volatile Oils are useful, especially those of anise and

fennel (q.v.).

Xylol has no advantages over benzine.

A. Niemann, in an article in the "Zentralblatt für Pharmazie," recommends a mixture of salol and sulphur, either in ointment or powder form, as an excellent vermicide.

THE MICAMASK PROTECTOR is advertised in this issue by J. M. Brown & Co., Gamage Buildings, 118-122 Holborn, London, E.C., to retail at 2s. Their illustrated statement is one that our readers should not miss.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Bicentenary of Allen & Hanburys.

It is two hundred years since Silvanus Bevan started in the Cheapside district of London the apothecary's business which was transferred some years later to Plough Court, Lombard Street, and is still there as Allen & Hanburys, Ltd. Their manufacturing and wholesale premises at Bethnal Green, and works and other establishments at home and abroad, are the outcome of modern enterprise, yet the fact remains that this year is the bicentenary of the business. The firm are taking the event very quietly owing to the war, but their staff have signalised it by getting Mr. Percy Bigland to paint a portrait of Mr. F. J. Hanbury, the Chairman of the Board of Directors and head of the business. This is exhibited in the Grafton Gallery by the Royal Society of Portrait Painters, whose exhibition is one of "warriors and workers." Mr. Hanbury's portrait is placed in the octagon room, where there are a good portrait of the King in khaki and many other portraits of distinguished sailors and soldiers. Mr. Hanbury's is placed alongside a fine equestrian portrait of the late Lord Roberts and a portrait of Sir David Beatty. Mr. Hanbury is shown three-quarter length, and the artist depicts him in his happiest mood, the face being particularly attractive and the whole composition pleasingthe table of books suggesting one of Mr. Hanbury's reliefs from business, for he is a hard worker outside pharmacy, and in connection with the Church and science. The portrait bears the following inscription:

Presented to Frederick Janson Hanbury, F.L.S., by the staff of Allen & Hanburys, Ltd., on the occasion of the bicentenary of that firm.

We understand that a distinguished archæologist is at present engaged in collating the earliest documents and facts relating to the business, as the firm propose to print a history of it in connection with the bicentenary.

Royal Institution.

Professor Sir Ernest Rutherford discoursed on June 4 on "Radiations from Exploding Atoms." He referred to the extreme violence of the explosions which occur through the spontaneous disintegration of radio-active substances. The force exerted is 10,000 times greater than the most powerful explosive known, and it is fortunate, said the lecturer, that the quantity available is so small that instead of radium being an agent of destruction it is a beneficial agent in the treatment of The lecturer mentioned the classification of radium and its emanations into six varieties, and then dealt with the result of recent work in investigating the speed of ejection of the a particle. The method employed was that devised by Sir J. J. Thomson, in which the deflections produced in an electro-static and a magnetic field are measured photographically. The results so far achieved by these methods agree with those obtained by chemical data. The β and γ rays were also dealt with, and their relationship explained by means of their magnetic spectra. β radium shows the same physical properties by this method as lead, although the atomic weight is very different.

Chemist's Stock under the Hammer.

The usual company one meets at these sales congregated at Mr. Bowen's auction-rooms, Aldersgate Street, London, E.C., on June 3, on the occasion of the sale by auction of the stock and fixtures of the pharmacy of the late Mr. W. S. Smith, chemist and druggist, 107 St. James's Road, Bermondsey, S.E. Competition was very keen for the lots, and good prices were realised; the stock was in good order, and the patents were clean and saleable. The following are particulars of a few

Forty pint shop-rounds containing tinctures, after a spirited contest, were knocked down for 50s.; three and a half gross of seidlitz-powders fetched 17s. (rumour among those present suggested they were secured by

an "outsider" at that price); three and a half Winchesters of castor oil (Belgian) fetched 15s.; 1½ lb. sod. salicyl. and 2 lb. pot. brom. found a buyer at 24s.; for 12 oz. of phenacetin, about 1 lb. acetanilide, a part bottle of pulv. sacchar., and 1 lb. essence of pincapple, the hammer fell at 21s. Lot 44, the contents of the poisoncupboard-a note in the catalogue said this lot would only be delivered to a qualified chemist—fetched 34s. The drugs were kept during the sale in a heavy iron safe, securely locked. The man in charge humorously remarked they were placed there to prevent any enemy alien getting into mischief. 4 lb. ammon. brom., 3 lb. balsam copaiba, and 3 lb. ol. viride made a guinea. An ullage package of about 3 lb. of pot. iodide after a keen contest was sold for 36s.; a Winchester each of syr. sennæ, syr. ferri phosph., and syr. rhei found a buyer at 14s. The patents, as usual in these cases, fetched their value. The fixtures were not quite modern enough for presentday ideas, therefore those who wanted them picked them up at their own figures; a 15-ft. mahogany-top and panelfronted counter, fitted with twenty-eight drawers under, fetched 12s.; a large quantity of shelving, about 15 ft. run, 9s.; an 8-ft. bent-glass counter-case, 22s.

Contracts for Drugs, etc.

Subjoined are particulars received during the week regarding contracts for drugs and allied products:

Camberwell Guardians.—Burgbyne, Burbidges & Co., drugs and dressings; Apothecaries' Society, tinctures; Smith & Nephew, Hull, cod-liver oil; Chas. Zimmermann & Co. (Chemicals), Ltd., lysol; C. J. Hewlett & Son, Ltd., pure carbolic acid; Robinson & Sons, bandages. No tenders having been received for rectified or industrial spirit, the Board decided to purchase these as required. With the approval of the Local Government Board, it was decided to continue the existing contract with S. Maw, Son & Sons for surgical sundries, but that in respect of the purchase of instruments above 1/L in value Messrs. Maw's catalogue, in the first instance, be compared with the catacatalogue, in the first instance, be compared with the catalogues of certain selected firms, and the goods required purchased on the most advantageous terms, after allowing

for the discount.

Canterbury City Council.—Mr. A. Lander, Ph.C., drugs for the Sanatorium; Mr. R. Crofts, chemist and druggist, appointed chemist for six months

Eccles Town Council.—Brunner, Mond & Co., Ltd., soda-

Hove Town Council.-S. J. Weston & Co., drugs, dressings, and appliances.

Liverpool.

"Hypo" has gone up to 6d., and even 9d., per lb. retail consequent upon the Government commandeering sodium hyposulphite as a military antichlor.

Many expressions of sympathy and condolence have been tendered to Mr. J. Cunningham, the town representative of John Thompson, Ltd., who has lost his eldest son, killed in action, as noted in the C. & D. last week.

"These are the remnants of German manufacture," says one label affixed to a mere handful of German wares. "These are British goods," another label states, respecting a large assortment. Both labels are to be seen in a Boots branch in Lord Street.

On Friday, June 4, the Stipendiary Magistrate sentenced Albert Norman Gadsby to eighty-six days' imprisonment in the second division on two charges of stealing medicines from Evans Sons Lescher & Webb, Ltd., by whom he had been employed for three years. It was found that for two years past he had been stealing drugs and selling them.

Mr. R. C. Herman has received many messages of sympathy as a result of the window-wrecking to which he was subjected by ignorant people who attributed to him German origin or sympathies. As he is a member of the City Council, the Lord Mayor sent him a letter which will be treasured. The sympathy has taken a practical form, a record trade having ensued at all Mr. Herman's three shops.

Hanover Street, Liverpool, early in the nineteenth century a residential quarter, is again rapidly rising in importance, thanks to the grouping there of enterprising manufacturing chemists, who have occupied mansions or re-built blocks. The architecture of the street, which is being widened, has gained most recently by the erection

of a large and lofty corner pile, mainly for Boots, Ltd., and an adjacent block for a musical-instrument firm. These buildings occupy the north side, while wholesale druggists are in possession of two-thirds of the whole of the southern side. Evans Sons Lescher & Webb, Ltd., have just repainted the frontage of their premises, formerly the Liverpool branch of the Bank of England, a characteristic example of the domestic architecture of old Liverpool.

A figure familiar to the drug-trade for four decades has just left Hanover Street, Mr. Sam Titterton, book-keeper to John Thompson, Ltd., having retired. He was apprenticed to the original John Thompson, whose business was at first carried on in much more modest premises on the northern side of the street (No. 31). By rigid punctuality, concentration upon duty, and sheer perseverance, Mr. Titterton rose to the post of book-keeper, and became known to all the customers far and wide. When the telephone was introduced everyous asked wide. When the telephone was introduced everyoue asked for "Sam." He is now spending a holiday at Fleetwood.

There is a movement on foot for earlier closing in Liverpool. While so many men are away, and those left behind at home are more tolerant, it is thought that now is the time to bring about better hours for retail chemists. In the Prince's Park district a start has been made. Mr. T. H. Corlett, Mr. Adams, Mr. S. F. Alder, Mr. Richard Parry, and other chemists in this neighbourhood have decided, instead of keeping open until 10 P.M., to close as follows: Monday, Tuesday, and Thursday, 8.30 p.m.; Wednesday, 1 p.m.; Friday, 9 p.m.: and Saturday, 10.30 p.m. The promoters hope this early-closing movement will spread, and eventually be taken up by the local Association.

Sheffield.

The Pharmaceutical Society's inspector has been busy in this area during the past week with a view to checking neglect in the exhibition of certificates in pharmacies.

The military authorities have taken over the South Yorks Asylum, Wadsley, for conversion into a military hospital. The institution will be known as Wharncliffe War Hospital, and will provide accommodation for 1,600 wounded. Mr. F. W. Hornby, chemist and druggist, dispenser to the asylum, will retain that position under the military authorities. He has been granted the rank of staffsergeant, and will have the assistance of two competent dispensers.

Local pharmacists express some dissatisfaction regarding the growing habit of holding back prescriptions for the dependants of soldiers and sailors till late in the evening. With the shortage of assistants the work thus falls heavily on single-handed chemists, and, further, while "rep. mist." is not allowed in Insurance work, the local Insurance Pharmacopæia is used for this work, and the formula "rep. mist." is commonly employed, thus

leading to extra clerical work.

The following advertisement recently appeared in the cal Press: "Wharncliffe War Hospital, Sheffield: Wanted at once, two competent dispensers: state qualifica-tion. Apply to Officer in charge." The following particulars regarding the dispensing arrangements in the military hospitals in the Sheffield district are of interest: Dispensary in charge of qualified dispenser: three hospitals providing respectively 1,600, 250, and 100 beds; dispensary in charge of another dispenser: three hospitals providing respectively 450, 100, and 90 beds.

The members of the Sheffield and District Branch of the National Association of Medical Herbalists held their annual meeting at the King's Head Hotel, Mr. T. Tiddesley (Parkgate) presiding over a good attendance, including members from Doncaster. The Secretary, Mr. Herbert R. G. Skelton, in presenting his annual report, said that the attendances at the meetings had been well up to the average, and the branch is in a healthy state, financially and otherwise. The following officers were elected for the ensuing year: President, Mr. J. Lee; Vice-President, Mr. T. Tiddesley; Treasurer, Mr. A. Russell Fox; Secretary, Mr. H. R. G. Skelton. Mr. Tiddesley vacates the chair after eight years' service in that position.

Miseellaneous.

SHOPS ACT.—Ramsgate Town Council has made an order suspending half-day closing by chemists and druggists during June, July, and August.

Poisons and Pharmacy Act.—Mr. W. H. Chanin, seed-merchant and florist, 13 The Parade, Minehead, has applied to the Somerset County Council for an agri-horticultural poison-licence.

LEONARD METCALF (19), who was with Boots, Ltd., Brigg Street, Norwieh, offered himself for enlistment, but was rejected on medical grounds. This preyed on his mind, and his body was on Monday found in the river

WAR FEVER.—About three hundred women and girls employed at Robinson & Sons' box-works, Chesterfield, struck work on Tuesday because they objected to the reserve portion of pay on uncompleted work being increased from

SUMMER OUTING.—The employés of the Market Street and West Street branches of Boots Cash Chemists, Ltd., Blackpool, along with friends, enjoyed a motor-run to Brock Bottoms on June 2. The arrangements were made by Mr. J. W. Gent.

A Runaway Horse dashed into a large plate-glass window at the pharmacy of Mr. J. P. Paige, chemist and druggist, Bow Street, Ashton-under-Lyne, last week. The contents of the window were scattered, but, fortunately, no one was injured.

Poisoning Cases.—Three deaths from poisoning have been chronicled since our last number, two of them being suicidal cases. The poisons involved were laudanum and salt of lemon. A two-year-old child at Middlesbrough died from the effects of swallowing carbolic acid which had been left within her reach.

A Doctor's Debt.—In the Marylebone County Court on June 3, Sir W. Lucius Selfe gave Duncan, Flockhart & Co., Farringdon Road, an order on a judgment for 13l. which they had obtained against Dr. Anderson, Harrow Road, for medicines and drugs supplied. His Honour's order was "Ten days in default of paying 1l. a month."

CHEMICAL-WORKS FIRE.—Considerable damage was done by fire at the chemical-works of J. W. Leitch & Co., Milnsbridge, Huddersfield, on June 5, due to nitric-acid carboys bursting. The Huddersfield Fire-brigade experienced considerable difficulty in subduing the flames owing to smoke and fumes. Many of the employés were badly burnt about the hands and feet by the escaping acid.

Destructive Conflagration.—A large two-storey building at Rydings Mill, Wardle, near Rochdale, in which the manufacture of medicated eotton-wool—mainly for the Government—was in progress, was destroyed by fire on June 2. On account of the highly inflammable nature of the contents, there was no hope of saving the building, and damage to the extent of several thousand pounds was done.

The employés escaped without injury.

PRIVATE ARRANGEMENT .- At a meeting on June 2 of the creditors of Ernest Ambrose Middleton (trading as The Dr. De Boi Co.), 27 Wollaton Street and Johnson Road, Dr. De Boi Co.), 27 Wollaton Street and Johnson Road, Nottingham, a statement of affairs presented showed liabilities amounting to 286l. 11s. 6d. and assets, subject to realisation, 181l. 8s. 7d. It was decided to accept an offer of 10s. in the pound cash in settlement of the claims. The following are creditors: Potter & Clarke, Ltd., 18l.; J. H. Haywood, Ltd., 12l.; Peronia Perfumery Co., 16l.; Nelson Seott, Ltd., 14l.; Brook, Parker & Co., Ltd., 20l.; J. Durant, Ltd., 10l.; Kaputine Syndicate, Ltd., 12l.; T. Guest & Co., 10l.

LONDON COLLEGE OF PHARMACY.—A successful whist-drive TONDON COLLEGE OF FHARMACY.—A successful winst-drive was held by the students and staff of the College in the lecture-room on May 28. The first prize was won by Miss Wootton, daughter of the Principal, while the second prize went to Mr. Martin, and the hidden number award to Mr. Israel. The refreshments were arranged by the ladies. who were cordially thanked and warmly praised for their services in speeches by the Principal and members of the staff. A most enjoyable evening was spent, and the excellent arrangements reflected credit on Mr. Matthews and his Committee. The proceeds were sent to the Belgian Dcctors' and Pharmacists' Relief Fund, which benefited to the extent of 1l. 17s. 6d.

THE CARDIFF CHAMBER OF TRADE has issued circulars to the public on the lines suggested by the "Shops Committee" of the Distributing Trades Committee of the Home Office (C. & D., May 29. p. 58). The Chamber appeals to the public to assist tradesmen by taking away with them small parcels at the time of purchase, and also when ordering goods for delivery to give as long notice as

possible, especially in the case of telcphone orders. It is also requested that shoppers should give tradesmen the opportunity of delivering goods the following day, as this would greatly facilitate district deliveries and so relieve the pressure of work, which is at present carried on under exceptionally difficult conditions.

HENRY DIMMOND, a light porter formerly in the dispensing department of Harrods, Ltd., on June 9 sued that company under the Workmen's Compensation Act in respect to injuries alleged to have been received on November 16 last in the course of his employment while using a lift. Sir W. Lucius Selfe heard the casc in the West London County Court, and held that no one could possibly imagine that the lift was to be used for passengers. Under those circumstances it was impossible that he could hold the accident had been due to plaintiff's employment, as there were other proper means of exit than the lift. Of these he did not avail himself. Accordingly his Honour's award was in favour of the respondents, with costs.

ward was in favour of the respondents, with costs.

West Bromwich Prices.—The local Association Executive have arranged the following minimum prices: Tartaric acid, crystals or powder, 1 oz. $2\frac{1}{2}d$., 2 oz. $4\frac{1}{2}d$., 4 oz. $8\frac{1}{2}d$.; cream of tartar, 1 oz. 2d., 4 oz. $7\frac{1}{2}d$.; permanganate of potash, 1 oz. $2\frac{1}{2}d$., 2 oz. $4\frac{1}{2}d$., 4 oz. 8d., 2s. 6d. 1b.; bromides of potash, soda or ammonium, $6\frac{1}{2}d$. oz.; sodium salicylate, 1s. 6d. oz.; hypo., $5\frac{1}{2}d$. 1b.; Epsom salt and sodium sulphate, $\frac{1}{4}$ 1b. 2d., $\frac{1}{2}$ 1b. $3\frac{1}{2}d$., 1 lb. $6\frac{1}{2}d$.; Epsom salt, seconds, $3\frac{1}{2}d$. 1b; oxalic acid, 1 oz. 2d., 2 oz. $3\frac{1}{2}d$., 4 oz. $6\frac{1}{2}d$.; is oxalic acid, 1 oz. 2d., 2 oz. $3\frac{1}{2}d$., 4 oz. $6\frac{1}{2}d$.; 1 oxalic acid, 1 oz. 2d., 2 oz. $3\frac{1}{2}d$., 2 oz. $3\frac{1}{2}d$., 2 oz. $3\frac{1}{2}d$., 25 1s. 4d., 100 4s., (own make) 25 1s., 100 3s.; "Tabloid" quinine sulphate, 2 gr., 25 $5\frac{1}{2}d$., 100 1s. 6d.; seltzogene charges (boxes of twelve powders), 5 pints 2s. 3d., 5 pints 1s. 10d.; Condy's fluid, 6d. and 11d.; Jeyes' fluid, 6d. and 11d.; Clarke's blood-mixture, 2s. 1d.; Doan's pills, 2s. 2d.; Williams's pink pills, 2s.; Eno's fruit-salt, 1s. 10d.; Fenning's fever-cure 1s.

JACOB E. H. ZIMMERMANN (29), disinfectant-manufacturer, London, was at Westminster Police Court, on June 8, sentenced to six months' imprisonment for having been found on the permanent way of the London, Brighton, and South Coast Railway near Grosvenor Road railway bridge at midnight on Friday, June 4, at a place to which access is forbidden by order of the military authority. The accused was proved to be a British-born subject, and all the information which he gave when found on the railway was true, while his bona fides was vouched for by numerous witnesses, including his partner, Lieutenant Harle, of the East Surrey Regiment. It was stated that Mr. Zimmermann was dazed and strange when found on the line, and this was explained by the fact that he had had a hard and long day before going down to Brighton to dine with his fiancée. Returniers has to be fall acless in the consistence of the con ing by the 10 P.M. train, he fell asleep in the carriage, and it was suggested that he was walking in his sleep. Notice of appeal was given.

THE ANNEXED PORTRAIT is taken from a photograph sent to us by the Chief Constable of Southend-on-Sea. who has circulated the following statement, dated May 19, in regard to the



"Wanted on Warrant in this county borough, with forging a declaration of acceptance of the appointment as superintendent to pointment as superintendent to a firm of chemists in this borough, with intent to defraud; with utter-ing a forged document—to wit, a certificato of qualification as a chemist—and procuring himself to be registered as the superintendent to a firm of chemists, contrary to the

to a firm of chemists, contrary to the Poisons and Pharmacy Act, 1908;
'WILLIAM WATT,' supposed false age about 40, height 5 ft. 5 in. or 5 ft. 6 in., medium build, hair brown, turning grey, slightly bald on top: very heavy moustache, lower lip protruded, eyes grey; has a recent wound on middle finger, left hand, which may be stained with iodine; usually dressed in a grey tweed lounge suit and cap. Supposed a native of Aberdeen, where he states his mother now resides. Absconded on the 12th inst. Has been employed as a chemist's manager, using a false certificato in the name of William Watt, a photographic copy of which he had in his possession.'' copy of which he had in his possession.

Wo understand that the man's name is William Watt, but he is not a registered chemist and druggist, and has in this matter personated Mr. William Watt, chemist and druggist, 1 Chattan Place, Aberdeen.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Pharmaceutical Society of Ireland.

Applications for the undermentioned examinations should be lodged with the Registrar, 67 Lower Mount Street, Dublin, by 11 A.M. (at latest) on the following Thursday, June 17, for Preliminary examination; Tuesday, June 29, for Registered Druggist examination; Wednesday, June 30, for Pharmaceutical Licence examination; Monday, July 5, for Pharmaceutical Assistant examination.

Brevities.

The annual summer outing of the Chemists and Druggists' Society of Ireland has been fixed for June 30, and will take the form of a motor-drive to Garron Tower, on the Antrim coast.

At the Bailieborough Guardians' meeting last week, Boilcu & Boyd, Ltd., Dublin, medicine-contractors, applied for an increase in prices on the last contract owing to the war. It was decided to refuse the application.-The Downpatrick Guardians have granted 61. 10s. 11d. out of 9l. 3s. 5d. claimed by Boileau & Boyd, Ltd., drug-contractors, for extra cost of medicines, etc., during the early period of the contract after the war began.

At the meeting of the Celbridge Board of Guardians on June 4, Fannin & Co., surgical-instrument makers, Dublin, wrote: "We are in receipt of thermo-cautery point for repairs. There is considerable difficulty about repairing these points at present, as they are all made on the Continent, and many of the sources of supply of surgical-instruments are cut off, and those which are available are glutted with work. It will therefore take some time to carry out this repair." The letter was marked read.

A report of the Committee of Management of Hospitals and Dispensaries presented at the monthly meeting of Belfast Corporation last week contained the following:

"The City Accountant reported that accounts as submitted to the Committee included one for 6l. 8s. 3d. from Davidson & Murray, pharmaceutical chemists, 131 Albertbridge Road; that this account contained an item amounting to 16s. 71d. that this account contained an item amounting to 16s, $7\frac{1}{2}d$. for prescriptions filled between August 27 and September 30, 1914; but that, owing to ignorance of the provisions of Section 51 (7) of the Local Government (Ireland) Act, 1898, under which this item should have been paid for before December 31, 1914, Davidson & Murray did not furnish their account until April 1915. He recommended that the Committee might consent to pass the payment provisionally, and, in accordance with the proviso to the above sub-section, apply to the Local Government Board for their sanction apply to the Local Government Board for their sanction to an extension of the time within which the account may be discharged."

The Committee decided to adopt the Accountant's suggestion, and the Corporation approved.

Arson Charge.

At Belfast Children's Court on June 3, two boys, McComb and Duffy, were charged with having on May 27 set fire to the premises of Mr. Samuel Gibson, druggist, King Street, and to six other establishments in the thoroughfare. The accused were in the employment of Mr. Gibson, and it appeared from the evidence that they went without permission to the oil-store. One of them lit a piece of paper and threw it on the ground. It fell beside an oil-barrel, and a bag caught fire, with the result that very considerable damage was done. Mr. Samuel Gibson said all the goods in his store had been burned. There were ten barrels of petroleum and a barrel and a half of tar in the store. McComb was an apprentice, and had been with him for almost a year. He believed the affair was an accident. The Stipendiary said it was quite clear from the evidence that it was not McComb who dropped the match or paper that was the direct cause of the fire, and under no circumstances could McComb be convicted of having set fire to the place. McComb was discharged, and the case against Duffy was adjourned.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

North British Branch Executive.

For the seventeen vacancies on this Executive of the Pharmaceutical Society twenty-one members have agreed to go to the poll, including all the retiring members except Mr. James Lennox and the following rew candidates: Robert Marshall (Grangemouth), J. B. Mitchell (Edinburgh), Patrick Mitchell (Dumbarton), and H. M. Robin (Edinburgh). The ex-officio members are the President, Vice-President, Mr. W. L. Currie, and Mr. J. P. Gilmour. Mr. David Gilmour has been an exofficio member for six years, but now goes to the vote. The result will be declared at the meeting in 36 York Place, Edinburgh, on Wednesday, June 16, at 11 A.M.

Aberdeen and the North.

The last of the series of "Food Lectures" under the auspices of the Aberdeen Burgh Insurance Committee was delivered on May 28.

- Mr. Harry J. Rae, M.A., M.B., Ch.B., D.P.H., has been appointed Tuberculosis Officer for Aberdeenshire, in succession to the late Dr. Farquhar Macrae.

A soap-factory has been established in Elgin for the manufacture of "Asoka" soap. The weekly output has grown from 3 to 10 cwt. in the short period the factory has been in operation.

Mr. Hugh M. Dugan, chemist and druggist, Holborn Street, Aberdeen, and Mr. J. R. Reith, chemist and druggist, Cults, have been members of the Aberdeen Military Training Association for the last six or seven months, and have taken part in all the route marches of the battalion. They strongly commend the objects of the Association to their chemist friends.

Edinburgh.

No fewer than four pharmacies in different districts have been closed since the May term.

Mr. R. Glode Guyer, Ph.C., has been re-elected President of the Edmburgh Photographic Society. The Society, on the whole, has had a fairly successful season.

C. & O. Rowland, chemists and druggists, have transferred the optical and photographic departments carried on by them at 7 Castle Street, to Mr. Jas. C. McKechnie, 31A Castle Street.

A local church, which celebrates its annual Flower Service on Sunday, June 13, has requested doctors and chemists in the district to furnish, confidentially, the names of invalids, to whom flowers will be sent.

The increasing price of "hypo" is disquieting to photographic chemists, who already fear that the present season will be a poor one. Wholesale houses, it is stated, are supplying only small quantities of "hypo," as the authorities may require large quantities at any time.

A peculiar case of cattle-poisoning has occurred at a farm near Dalkeith, three animals having succumbed during the past fortnight. Veterinary examination of the carcases revealed that the deaths were due to lead-poisoning, and investigations have shown that a quantity of lead-paint had been thrown into the field in which the animals were grazing. Part of this had been consumed by the cattle, with the foregoing results. (See also C. & D., August 8, 1914, p. 58.)

Fife.

The suggestion that chemists and druggists should be supplied with war-badges is receiving marked support from local pharmacists.

Mr. W. Smart, chemist and druggist, Buckhaven, has been unanimously elected a Magistrate of the Burgh of Methil, Buckhaven, and Innerleven.

The intense heat is having its effect, and the chief lines in sundries during the week have been bathing-caps, water-wings, bath-gloves, sponges, loofahs, and salines.

Books on sick-nursing and first-aid have been in considerable demand at various pharmacies during the past week. Evidently local ladies are preparing to "do their bit."

The cards recently issued by the local Insurance Committee to doctors and chemists are already finding favour. Practitioners aver that they should have had them months ago. (See p. 56.)

Efforts are being made to popularise St. Monans as an East Coast spa. The waters of St. Monans have a reputation reaching back through many generations, and the researches of an eminent analyst have proved them to be equal, if not superior, to several Continental waters. They are specially rich in iron.

David Waldie Memorial.



This bronze plaque, by Mr. H. R. Hope-Pinker, Kensington, London, has just been placed on the wall of 67 High Street (Cross), Linlithgow, in commemoration of Mr. David Waldie, L.R.C.S.E., who lived there at one time. Mr. Waldie spent the greater part of his life in India, where he founded a ehemical-factory (sulphuric acid, etc.) which is still carried on as David Waldie & Co. While he was chemist to a firm in Liverpool, Sir J. Y. Simpson, of Edinburgh, was experimenting with anaestheties, and meeting Waldie in Princes Street, Edinburgh, one day, they talked about the matter, Waldie suggesting that Simpson should try trichloride of formyl. The rest the world knows. The movement to memorialise David Waldie in the present: manner was initiated some time ago by Mr. Alexander Spence, chemist, Leslie, formerly of Linlithgow, who is a relative. Owing to the war the plaque was unveiled without public eercmony.

Glasgow and the West.

Mr. Andrew Ker, of Thomas Ker & Sons, merehants, Newton, Ayrshire, has given notice of his intention to apply for an agri-horticultural poison-licence.

In the annual report of the chemical department of Glasgow Corporation Mr. F. W. Harris, Corporation chemist and analyst, remarks upon the quality of medicated wines containing meat-extract, adding "that there exists urgent necessity for the remodelling of our chaotic laws on this question of important public interest receives striking support from the evidence and recommendations of the Select Committee appointed to consider and inquire into the sale of patent and proprietary medicines and medical preparations."

Revival of the Kelp-industry.

At a recent meeting of the Finance Committee of the Inverness-shire County Council a letter was read from Sir J. Patten MacDougall to The Mackintosh, in which he stated, with reference to the kelp-industry, that the Scottish Agricultural Organisation Society had been granted funds by the Board of Agriculture which would enable organising-work to be undertaken. A start has already been made, and offers have been received of a certain sum per ton for unburnt seaweed landed on Oban pier. A London firm is prepared to pay 9d. per lb., for dried tangle-rod for "tents." It was agreed to ask Mr. John Macdonald, Askernish, and Professor Hendrick to attend a conference which it is proposed to hold in Edinburgh. It was stated that Professor Hendrick is experimenting with a view to isolating the iodine and potash from the seaweed by what is technically known as diffusion.

[We may recall that the late Mr. E. C. C. Stanford worked out this process, and earried it on at the Dalmuir Works, but it was ultimately abandoned.—Editor C. & D.]

French News.

(From the "C. & D." Paris Correspondent.)

ARMY PHARMACY.—The Director of the Sanitary Service of the 15th French Army Region has taken as one of his principal assistants a pharmacist, whose special work will be to study all pharmaceutical questions in the district. In this particular case Professor Domergue, exarmy pharmacist, has been chosen, and has been given the grade of "principal" military pharmacist for the duration of the war. It is felt that this practice might be advantageously extended to other military districts.

"THE CHEMICAL CRISIS."—In an article entitled "The Chemical Crisis," the "Matin" states that before the war France imported 80 per cent. of her chemicals from Germany. Home manufactures must be substituted, but cannot be improvised, and the present situation was "underlined in a disquieting manner" at recent meetings of the Seine Pharmacists' Committee, the Wholesale Druggists' Association, and the Office of Chemicals and Pharmaceuticals. Two or three tons of aniline and carbolic acid are needed for civilian requirements; a large quantity of the latter is also wanted for military purposes (explosives). Bismuth (metal), caffeine, cocaine, and bromine are all running short, and Customs delays tat Havre have retarded the delivery of 200 tons of cinchona. Something, concludes the "Matin," must be done. But the matter, it adds, is having attention; and the public may rest assured that the necessary steps will be taken, much as we are handicapped just now by shortage of labour consequent on mobilisation. [In this connection a Press correspondent sends us a list of German chemical-works in France which have been confiscated. The substance of this has already been given in *the C. & D.]

THE OSIRIS PRIZE of 4,000l. not having been awarded in 1912, the Academy of Sciences had at its disposal not only this sum, but also 3,400l. of interest. The Committee have decided to award one moiety (2,000l.) to MM. Chantemesse and Widal, who first proposed (now twenty years ago) to inoculate guinea-pigs against typhoid, and the other moiety to Dr. Vincent, inventor of the typhoid vaccine used in the army. 2,400l. is to be given to various ambulances, and the rest (nearly 1,000l.) to the Beyrout School of Medicine. A discussion, lasting considerably over an hour, followed the presentation of the report. The discovery of anti-typhoid vaccine was discussed in all its bearings. An eloquent appeal was made on behalf of the claim of Sir Almroth Wright, the first to vaccinate troops in the field against typhoid. Picard pointed out that unfortunately a Briton is ineligible for the prize, as the testator reserved his favours for French citizens. A member of the Academy of Sciences added that that body proposes to recognise Wright's admirable work and valuable experiments by

awarding him one of the prizes at its disposal. This assurance that the British savant's merits have not been overlooked evidently satisfied the assembly; and the discussion drifted on to other points.

ENEMY PATENTS.—The War Bulletin of the British Chamber of Commerce in Paris refers to the "Journal Officiel" for May 29, where is published the text of the law establishing temporary rules for the exploitation of patents held by enemy subjects. French, Allied, or French, Allied, or neutral subjects exploiting patents which were taken out by enemy subjects may continue to do so provided they can prove that such agreement was made previous to the outbreak of hostilities. Enemy patents recognised as useful for national defence or public interest may be exploited, either partly or wholly, for a determined period by the State, or by French, Allied, or neutral subjects who can justify their ability to do so to the Minister of Commerce. The decree of August 14, 1914, allowing patents and applicants to leave over all payments until after the war only applies to French citizens and to Allied and neutral subjects if their country concedes these same advantages to French citizens. The delays of priority are suspended from August 1, 1914, until the cessation of hostilities, and the benefits of this suspension may only be claimed by subjects of countries which grant these same advantages. German and Austro-Hungarian subjects under certain very exceptional circumstances may be excepted from the application of the above law.

HOME TRUTHS ON HOME INDUSTRIES .- M. Bardet, the new President of the Society of Therapeutics, spoke very frankly in his inaugural address as to the reasons which, in his opinion, handicapped the manufacture of pharmaceuticals in France, and the steps necessary to assure the growth and development of this interesting industry. He disclaimed all wish to infringe the French pharmacists' "legal, just, and undoubted" right to the monopoly of the retail trade of medicaments. But the manufacture and putting-up of chemicals susceptible of being used in pharmacy is quite another matter. If this industry is to flourish in France, the first step necessary is to allow everyone to manufacture freely chemical medicaments at his own responsibility, and to put them up in the form which seems to him the most elegant and the most advantageous. But, M. Bardet was careful to add, "it is quite understood that he should have the right to sell such medicaments to pharmacists only." A second necessary reform would be to "modify the mentality of the French doctor," who "attaches no importance to a new medicament, even if discovered in France, unless it comes from abroad." Thirdly, every research chemist should be guaranteed the result of his labour. To assure this, he should have the full and indisputable right to a name and mark. So long as this is not assured, "we shall have neither names nor marks, and consequently the chemical-industry will continue to be impossible in France." The Excise and Customs must also make concessions. For the manufacture of most organic products pure (not methylated) alcohol is necessary, and must be obtainable in large quantities at reasonable The Customs-duties on some drugs-opium, for example—practically prohibit the French manufacture of alkaloids. Finally, France should take a leaf out of Germany's book, and establish laboratories for the convenient and complete study of the pharmaco-dynamic properties of drugs.

PHYSICIANS AND NARCOTICS.—We are pleased to see the open confession by the medical profession through their official organ, the "New York Medical Journal," that they are responsible for the narcotic drug habit of the public.—S. V. B. Swann, General Manager New York Consolidated Drug Co., in the "New York Times."

[&]quot;The Art of Dispensing."—A treatise on the methods and processes involved in compounding medical prescriptions, with dictionaries of incompatibles, new remedies, English and foreign prescription terms, etc. Ninth edition. By Peter MacEwan, Editor of The Chemist and Druggist. Price 6s. net, by post 6s. 4d., from the C. & D. Book Department, 42 Cannon Street, London, E.C., or leading wholesale houses.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Draggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

NEW BRANCH.—James & Co., Port Elizabeth, are opening a new branch shop, and are advertising locally for a qualified chemist.

MOTOR ACCIDENT.—Mrs. J. R. Corrigan, wife of the local manager of Heynes, Mathew & Co., chemists, Sea Point, was knocked down and severely injured by a motor-car. Mrs. Corrigan was crossing the Main Road when she was knocked down by a motor-car driven by Mr. T. Attwell. Mrs. Corrigan was badly hurt about the head and body, and was immediately conveyed home. The driver of the car exerced injury, but in twing to avoid a collision that car escaped injury, but in trying to avoid a collision the car was wrecked by an electric-light standard.

Joining the Forces.—It is not often that patriotism goes to the length of a person abandoning his business for service in the field. Yet this is the form in which it is displayed in Dundee in the person of Mr. H. J. Webster, chemist, of that town. As he was unable to obtain a locum Mr. Webster—who is not a young man—closed his business and volunteered for service in German South-West Africa.

"LUSITANIA" REPRISALS.—Rioting has been taking place in Durban and other centres in Natal, and buildings have been burnt and goods destroyed, as a protest against the sinking of the *Lusitania*. The Government has been roused to action, and Germans are now required to report themselves, and will be interned. Fortunately there were no chemists' shops belonging to men with German names, otherwise they would have enjoyed short shrift at the hands of the mob.

A PECULIAR EFIDEMIC has made its appearance in Durban A PECULIAR EFIDEMIS has made its appearance in Durban during the last two weeks, states our correspondent, writing on May 18. It occurs in the form of sore throat with considerable swelling of the glands of the neck. It does not appear to be a dangerous affection, but the cause of the disease has not yet been explained. It has been attributed to odours arising from the Bay, as it is mostly in the town area that cases have been noted. The epidemic has abated somewhat within the last few days, and it is to be bored it will die out of its own account. it is to be hoped it will die out of its own accord.

Business has not been quite so brisk lately, although the railway returns show an increased number of visitors on last year's figures. This may partly be accounted for by the intense cold which is general up country. Prices of proprietary lines have been raised in but a few cases. and, of course, the drug-market has been considerably affected. The difficulty of obtaining any but small quantities of goods from England has done much to harden prices. An instance of an exceptional price is that of Epsom salt. Two weeks ago this was being quoted in Durban at 75s. per cwt., the usual price being about 12s. The present price is 60s., but quantities of a few pounds are sold at 6d. per lb.

ADMINISTERING NOXIOUS DRUGS.—A case of attempted abortion was tried at the Durban Law Courts in May before his Honour Justice Dove-Wilson and a jury. Gilbert before his Honour Justice Dove-Wilson and a jury. Gilbert Collett, the accused, is only twenty years of age, and at the time of the trial had a six months' suspended sertence hanging over him for attempted theft from the Railways and Harbours Department. He was on his way to England, but was intercepted at Port Elizabeth on the present charge and brought back. He was charged with administering to Annie Vail a quantity of Dr. Bonjcan's female pills, containing aloes and ferrous sulphate, for the purpose of procuring a miscarriage. Dr. Park Ross, the Government Chemist, reported on the analysis of the pills. The jury found the prisoner guilty and his Lordship sentenced Collett to four months' imprisonment.

Rhodesia.

A. NORMAN HARRIS (of Lennon, Ltd., Salisbury, Rhodesia), who recently returned to Africa after a trip to England, has left for Gatooma, having been appointed manager of the firm's branch in that township.

Transvaal.

Anti-German Riots.—From additional information to Anti-terman relors.—From additional information to hand regarding the attack on the premises of MacDonald, Adams & Co., Ltd. (formerly Loewenstein, Adams & Co., Ltd.), chemists, Johannesburg, it appears that on May 12 the retail department in Market Square was attacked and the windows broken, and that on the following day the wholesale store was gutted, tho whole of the stock being lost. The establishment of Mr. Hans von Holtz, retail chemist, of Kerk Street, came in for some rough handling. all his windows and showcases being smashed, and a good deal of his stock looted and burned. The surgical-instrudeal of his stock looted and burned. The surgical-instrument dealers also came in for the unwelcome attention of the mob. Bull & Oehmann's shop in Rissik Street was smashed, and the contents burned in the street. Another dealer was turned out of his place by the landlord in order to save the property from destruction. The premises of the Transvaal Chemical Co., Ltd., Barsdorf's Building, Marshall Street, were wrecked, the inscription to an illustration in the "Weekly Cape Times" stating that not a particle of furniture was left intact. particle of furniture was left intact.

Cape Province Pharmaceutical Society.

A COUNCIL-MEETING of this Society was held at the Rooms, Hout Street, on May 20. There were present Mr. J. Sloan (President), Messrs. G. R. Cleghorn and J. Dell (Vice-Presidents), Dr. Froembling, and Messrs. D. K. Petersen, C. G. E. Edmeades, and J. Austin Thomas. Before commencing the proceedings the Council passed a vote of sympathy with Mr. J. Sowden on the death of his father. Mr. G. Heald, of Maitland, was elected a member of the Society. A letter that had been received from the Maritzburg (Natal). Chemists' Association was read. With it was enclosed a copy of the correspondence which took place between the Mayor and chemists of Maritzburg. It was decided to send a reply endorsing the action taken by the Maritzburg Chemists' Association, and thanking them for the firm stand they had taken in the matter (see C. & D., Col. Supp., June 5). It was proposed that a Committee be formed to go into the question of finding more central and commodious rooms for the Society. Messrs. D. K. Petersen, Petrie, and J. Austin Thomas were elected for this purpose. The meeting then terminated

A special general meeting of the Society was held on May 20 to consider what the closing-hours should be under the new Ordinance which was to come into force on June 1. The meeting was very well attended, there being about fifty The meeting was very well attended, there being about fifty present, among them Mr. J. Sloan (President), Messrs. G. R. Cleghorn, J. Dell, D. K. Petersen (of Petersen, Ltd.), Alf. Mathew (of Heynes, Mathew, Ltd.), Dr. Froembling, and Messrs. Edmeades, Spence, Petrie, Aitken, Varley, Merry, Peck, Hughes, McDonald, Sowden, W. J. H. Thomas, Darroll, Cooper (Kalk Bay), J. A. Thomas, and Cadman. The President stated that the meeting was open to non-members as well as members and that anyone could join. members as well as members, and that anyone could join in the discussion. The object of the meeting was to come to some decision as to the hours which were to be observed for closing. Whatever was decided on that evening would be sent on to the Cape Town Council, for that body had to lay down definitely what the hours were to be. The first question raised was whether particular districts should have certain half-days or is it to be a universal half-day for the whole Cape Peninsula? This led to a lot of discussion, and finally Mr. Cooper proposed that the suburban chemists adhere the half-day for closing. This was seconded by Mr. Sowden. Mr. J. Hughes, in proposing that Saturday afternoon be the half-day, said that now is the opportunity for chemists to make the half-holiday on Saturday. Saturday afternoon is being observed as a half-holiday in nearly all parts of the world. Mr. G. R. Cleghorn seconded, and said doctors are now observing Saturday afternoon are now observing Saturday afternoon as heliday and this the world. Mr. G. R. Clegnorn seconded, and said doctors are now observing Saturday afternoon as a holiday, and this gives the chemist his opportunity. It now became evident that what suited the city chemists would not suit the suburban chemists, Saturday being the best business-day in the week in the suburbs. Ultimately, Mr. Cooper having withdrawn his proposition, Mr. Petrie proposed that city and suburban chemists be guided by the day chosen by other traders in their different districts and that they close on and suburban chemists be guided by the day chosen by other traders in their different districts, and that they close on that day. This was seconded by Mr. W. J. H. Thomas. On Mr. Hughes's proposition being put to the meeting eight voted for it, fifteen against. Mr. Petrie's motion on being put was carried by a large majority. The hours of opening on Sundays, public holidays, and on the evening of the half-holiday were fixed, without any discussion, as follows: On the half-holiday, 6 to 7 P.M.; Sundays and public holidays, 12 till 1 P.M. and 6 to 7 P.M. The meeting then closed. [The Ordinance states that chemists may open for one hour in the morning and one in the evening, so that it is quite in the morning and one in the evening, so that it is quite likely that the hour 12 to 1 P.M. will be altered to 11 to 12.

"RESULTS seem to indicate that the sulphur atom is more concentrated than the zine "-i.e., as regards the electrons being closer packed.—Professor W. H. Bragg in "Nature."

India and the East.

(From the "C. & D." Correspondents.)

EXEMPT FROM PROHIBITION.—It has been decided to exclude fennel-seed and dill-seed from the prohibition on the export of medical and surgical stores of every description in the list of prohibited exports from British India.

LIEUTENANT-COLONEL WALTER THOMAS GRICE, V.D., F.C.S., head of Smith, Stanistreet & Co., Calcutta, now Commandant of the 1st Battalion of the Calcutta Volunteer Rifles, has been made a Companion of the Order of the Indian Empire.

GANJA PROHIBITED .- H.E. the Governor in Executive Council has prohibited absolutely throughout Ceylon the import, manufacture, possession, supply, or sale by any person of ganja, bhang, and every preparation and admixture of the same, and every intoxicating drink or substance prepared from any part of the hemp-plant (Cannabis sativa or

A Masonic Dinner.—A complimentary dinner was given by a few Masonic friends of Mr. C. B. Robinson, of Thomson & Taylor, chemists, Bombay, on May 15, to celebrate the honour conferred upon him by the United Grand Lodge of England—viz., the rank of Past Grand Deacon (Junior) and the Superior Grand Chapter and rank of Past Grand Assistant Scienters. Past Grand Assistant Sojourner. Pharmacy was represented by Mr. J. Welch (Thomson & Taylor), Mr. J. L. Holden (Burroughs Wellcome & Co.), and Mr. S. S. Coleman (Parke, Davis & Co.).

(Parke, Davis & Co.).

INDIGO IN CHINA.—According to Mr. Yang Chia-ti, President of the Dyers' Union, the Port of Shanghai alone annually consumes 350,000 casks of German indigo, and Hong-Kong, which is the distributing centre for the Provinces of Kwangtung, Yunnan, Kweichow, and Fukien, imports about 20,000 casks. The same authority states that the dyeing-trade in China spends annually about 1,354,000l. in buying foreign indigo. Mr. Yang has petitioned the Taoyin, requesting him to memorialise the Ministry of Agriculture and Commerce, through the provincial authorities, that instructions be sent to the various district officials. ties, that instructions be sent to the various district officials ordering them to exhort the people to plant the indigo-plant wherever poppy used to be grown.

Dye-manufacture.—Reference has been made in the C. & D. to the situation created by the cessation of German supplies of aniline dyes to the United States. The interim report on the subject by the American Chemical Society was inconclusive, and has now been followed by a more complete report by Mr. T. H. Norton, the Special Comcomplete report by Mr. T. H. Norton, the Special Commissioner who was appointed to investigate the question as a result of a resolution adopted in January by the Senate at Washington. The report discusses the problem of aniline dyes, of which the country uses a quantity valued at \$15,000,000 per annum, four-fifths of this quantity having hitherto been procured from Germany. The production of dyes in the United States, in which industry it is estimated a sum of \$3,000,000 is invested, only comprises about 100 out of the total of 400 colours for which there is a regular demand; but even for the intermediary products required for the hundred, it is necessary to obtain a products required for the hundred, it is necessary to obtain a considerable quantity from Germany. It is held to be impossible to establish in the United States a dye-industry that would be independent of Germany unless the Government take measures to protect it against dumping and against unjustified limitations of American trade in relation to arbitrary action of foreign monopolies. The second condition for the realisation of the scheme is the establishcondition for the realisation of the scheme is the establishment of a large research laboratory, with the co-operation of the Government and of individual interests concerned. The report, which then proceeds to discuss the question of patents in the United States, says that 485 patents were originally granted in respect to the 921 different dyes which are in regular trade. One-half of these patents have expired, and a large number of the remainder will also be free in the course of the next few years. American experts express the opinion that they are only dependent experts express the opinion that they are only dependent upon patents which are in German possession for the manufacture of 10 per cent. of the dyes, and they therefore manufacture of 10 per cent. or the dyes, and they therefore believe that no material difficulties would be encountered in this respect, as they reckon that, under the oppressing effects of the war, the German firms would be willing to grant licences. The Commissioner, having regard to these grant neences. The commissioner, naving regard to these conditions and the hindrance to the German supply of the United States market, which is reflected in high increases in prices, considers the present an appropriate time to establish an American dye-industry. Otherwise increasing predominance of Germany will have to be reckoned with.

Italian News.

PHARMACY FOR THE PHARMACIST.—In Giolitti's Pharmacy Act, No. 468, of May 22, 1913, it is clearly stated that the pharmacist, and he alone, can and must conduct a pharmacy, compound and sell drugs, chemicals, and pharmaceutical preparations. But why, if others are thus precluded from invading his preserves, should the pharmacist seek to invade the prevince of others? Yet most pharmacies in Milan have become hygienic drinking-bars where tonic branca and bislieri are dispensed to all comers.

BRITISH TRADE DEVELOPMENTS.—H.M. Commercial Attaché at Rome reports that it has long been felt in circles in-terested in the development of Anglo-Italian trade that a branch of the British Chamber of Commerce for Italy should be established in Rome, and an office has now been opened at Via Delle Terme 75, Rome, working in connection with the headquarters at Genoa; already twenty-six fresh appli-cations for membership have been received. The setback to German trade in Italy caused by the war has naturally drawn the attention of commercial circles to the likelihood of closer trade relations with the United Kingdom, and it is generally felt that, once the war is over and all barriers to unrestricted commerce removed, there will be a great

development of Anglo-Italian trade.

ITALY OUR ALLY.—It will be interesting to observe what result, if any, will arise from Italy's siding with the Allies in this world-struggle. Under Giolitti, who is not altogether uninterested in pharmaceutical preparations, an Act was passed giving twenty years' lease to foreign or non-Italian pharmacies in Italy. Great Britain and Germany tree the only two nations thus represented, and frequently. are the only two nations thus represented, and frequently, as in Rome, German firms carry on under a British name. What will the result be? Will both be treated alike? To show how loyally some Italian pharmacists act under the knowledge of this restriction on British pharmacists I need but quote the following appairage, writes a consequence. the knowledge of this restriction on British pharmacists I need but quote the following experience, writes a correspondent: When in Rome last year I called upon my friend, Cav. C—, chemist to the Queen Mother, and while conversing with him he sent no fewer than three British or American customers to an English pharmacy, pretending that he neither knew nor stocked their wants. He explained to me that his action was only fairness to his British confrère.

Joining the Allies.—Fratelli Jung, of Palermo, in their circular dated May 28, state that "during the past fortnight political events in Italy reached a climax and took a turn which obliged our country to take up a firm and definite attitude towards Austria and to declare war on definite attitude towards Austria and to declare war or May 23. As we have many times written, not only in letters to our friends abroad, but also in our market reports, this eventual action on the part of Italy was to be foreseen right from the very commencement of this great and terrible war. Our hearts swell with pride and emotion now that Italy, too, has decided to take up arms and obtain by force the liberty and union (for which she has aspired throughout the last half-century) of those territories which have been subject to the tyranny of Austria. All the Italian people know that in fulfilling this national duty, and in satisfying these national aspirations, we are extending a hand to and helping the Allies of the Triple Entente with the weight of our arms, and all the Italian nation is proud of this, as the sympathies of this country were always with the Allies in their struggle for liberty and justice. If, together with England and her Allies, we shall—and undoubtedly we shall—break down the tyrannies of the Central Empires, we shall perform a civilising operation in Europe even in this the twentieth century, and we feel that Europe even in this the twentieth century, and we feel that this brotherhood of arms, striving for the same end, cannot but strengthen the bonds of mutual sympathy and respect which have always bound our nation to yours. Three of us four brothers are already serving with the Colours, but we shall nevertheless do our utmost to keep our commercial activities up to our usual standard, and we hope we shall be able to give full satisfaction to our friends."

PATENT MEDICINES IN COLOMBIA.—In the recently issued British Consular Report, dealing with the trade of the Consular district of Bogotá, Colombia, for the years 1909-13, it is stated that the import-duties on patent medicines It is stated that the import-duties on patent medicines the formulæ of which are unknown have been increased from 25½c, to 200c, (1s. to 3s.) per kilo., and are evidently meant to be prohibitive. If such preparations are registered and patented in the Republic, however, they become subject to a tax of only 100c, and in the event of their coming accompanied by the formula on each package at the time of importation, the rate has been increased only

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

F. W. Stephens & Sons, Chemists, Ltd. (P.C.).—Capital 3007. The subscribers and first directors are F. W. Stephens, V. C. Heath, and Mrs. L. S. Stephens. R.O., 109 Newtown Row, Birmingham.

A. S. CHETTHAM, LTD. (P.C.).—Capital 5001. Objects: To carry on the business of chemists and druggists, dentists, etc. The subscribers are A. S. Cheetham and Beatrice A. Cheetham. R.O., 10 Royston Parade, Beckenham Road, Penge, S.E.

MADAME SAPARI, Ltd. (P.C.).—Capital 1,0001. Objects: To carry on the business of manufacturers of and dealers in medicines and medical and toilet preparations, chemists, druggists, etc. The subscribers are Miss R. Hope, 226 Piccadilly, W., and J. McCrossen.

O'NeILL & Co., Ltd. (P.C.).—Registered in Dublin. Capital 1002. Objects: To carry on the business of chemists, druggists, etc. The subscribers and first directors are Mrs. A. O'Neill, J. Lawrence, and J. O'Sullivan. R.O., Main Street, Carrick-on-Suir, co. Tipperary.

SHEFFIELD AND DISTRICT MINERAL-WATER MANUFACTURERS' ASSOCIATION, LTD.—Registered on May 25, with 200 members, each liable for 37. in the event of winding-up. Among the objects of the Association are to induce all mineral-water manufacturers and bottlers of becr and stout to charge customers a repayable deposit on bottles, and to protect the bottles and boxes of members bearing their names or trade-marks. The management is vested in a council of thirteen.

Council of thirteen.

Bacterol, Ltd. (P.C.).—Capital 6,6007. Objects: To adopt an agreement with Luigi Vincenzo Barnabe (joint inventor with Spero Bozzelli of "Bacterol"), to acquire in Great Britain and Ireland. United States, France, and the Dominions, Colonies, Dependencies, and Possessions thereof, the sole rights of manufacture and sale of the said preparation, to carry on the business of chemists, druggiste, drugstore keepers, etc. The subscribers and first directors are L. V. Barnabe and J. G. Sparkhall. R.O., 19 Brookside Road, Junction Road, Highgate, N.

Company News.

"BARYTA," LTD.—The Treasury warns investors that subscriptions to the issue of debentures in this company are undesirable in the public interest.

G. B. Kent & Sons, Ltd.—The directors have declared the usual dividend at the rate of 5½ per cent. per annum upon the cumulative participating preference shares for the six months ending March 31. The transfer books will be closed from June 17 to 30.

A. J. White, Ltd.—The report of this company to be presented at the annual meeting to be held in the Memorial Hall, Farringdon Street, London, E.C., on June 18, states that the net profits for the year ended March 31 were 16,9961. 17s. 7d. No account has been taken of the sales and expenses of the Lillc agency owing to causes connected with the war. The balance in hand is 20,6161. 11s. 9d., after bringing forward 9,6191. 14s. 2d. from last year's accounts and paying the interim dividend of 6,0001. The directors recommend the payment of a final dividend of 3 per cent., making 5 per cent. for the year, leaving 11,6161. 11s. 9d. to be carried forward. In the balance-sheet the goodwill, trademarks, etc., are valued at 273,4431. 8s. 9d. The capital of the company is 300,0001.

Brunner, Mond & Co., Ltd.—Presiding at the annual meeting at Liverpool on June 4, Sir John Brunner said the company, at the request of Lord Moulton, Chairman of the High Explosives Committee, had begun the manufacture of two chemical substances with which to fill shells. Lord Moulton would certainly ask them to make more than two substances, and they would do their level best to serve him and the country. Sir Alfred Mond, M.P., in seconding the adoption of the report, said they had every reason to congratulate themselves that in the middle of the greatest war the world had ever seen they were able to present the balance-sheet they did. In undertaking war work they were not looking to make a great profit. As a matter of fact, they had undertaken it at a very small profit. The report was adopted, and a dividend of 25 per cent. for the year on the ordinary shares sanctioned.

Births.

Authenticated notices are inserted without charge.

Castle.—At 50 Aubery Road, Small Heath, Birmingham, on June 5, the wife of Victor Castle (Yardley & Co., Ltd.), of a son.

Gibson.—At Hornsey, London, N., on June 4, the wife of G. W. Gibson, chemist and druggist, of a son.

Marriages.

Authenticated notices are inserted without charge.

ASTIN—Golightly.—At the Wesleyan Church, Pudsey, by the Rev. J. B. Lowther, Seaforth, assisted by the Rev. R. Whitehead, on June 2, Luther Astin, son of Councillor and Mrs. Astin, Pudsey, to Eleanor Forrest (Nellie), daughter of Mr. J. W. Golightly, chemist and druggist, and Mrs. Golightly, Pudsey.

CLAEKE—GILLIBRAND.—At Rawcliffe Street Wesleyan Chapel, Blackpool, by the Rev. A. Bradfield, M.A., B.D., on June 9, George Arthur Clarke, chemist and druggist, 65 Whitegate Drive, Blackpool, to Blanche Gillibrand, Earlsmere, Balmoral Road, Blackpool.

Feltwell.—Mitchell.—At St. Mary's Parish Church, West Kensington, on June 5, Charles Edward Feltwell, R.A.M.C., youngest son of Mr. J. W. Feltwell, chemist and druggist, 91 Hammersmith Road, West Kensington, London, W., to Winifred, daughter of Mr. John Mitchell, Weston-super-Mare.

HARTRIDGE—HINMERS.—At the Congregational Church, Hale, Cheshire, on June 2, by the Rev. C. H. Hedgman, M.A., B.D., James Stanley Hartridge (Leicester), eldest son of Mr. J. Hills Hartridge, Ph.C., and of Mrs. Hills Hartridge, Wimbledon, London, to Mabel Elizabeth, eldest daughter of Mr. and Mrs. Edward Hinmers, Glentwood, Ashley Heath, Altrincham.

Lewis—Davies.—At Mynyddbach, near Swansea, on June 8, Taliesin Lewis, chemist and druggist, The Cross, Morriston, Glam., to Irene Davies, Morriston.

Lockyee—Martin.—At St. John the Divine, Kennington, London, S.E., by the Rev. C. N. Smith, on June 5, Stanley Ernest Lockyer, eldest son of Mr. J. E. Lockyer, chemist and druggist, and Mrs. Lockyer, Deptford, London, S.E., to Winifred Mary, youngest daughter of Mrs. Martin, 98 Camberwell New Road, London, S.E., and the late Mr. Charles W. Martin (of S. Maw, Son & Sons).

MACKAY—WOOD.—At Edinburgh, on June 2, John Mackay, chemist and druggist, late of Dundee, to Mary Roger Morton, second daughter of Mr. James Wood, baker, late of Tranent.

MacLaren—Perfers.—At Barmore, Bridge of Allan, on June 2, by the Rev. John Campbell, Trinity M.F. Church, Malcolm John MacLaren, chemist and druggist, late of Bulawayo, to Janet Young, only daughter of the late David Peffers, Leith.

TURNER—WOOLLETT.—At St. John the Baptist, Kensington, London, W., on June 9, Perey Norman Turner, chemist and druggist, Salisbury, to Ethel Graee Woollett, of Chiswick, W.

Silver Wedding.

Mackie—Dodds.—At the Melville Hotel, Edinburgh, on June 3, 1890, by the Rev. David N. Imrie, St. John's Parish Church, George Mackie, chemist and druggist, to Mary Rankine, eldest daughter of Nicholas Dodds, chemist and druggist, late of Coldstream. [Present address: Earlston, Kirkintilloch.]

Deaths.

Authenticated notices are inserted without charge.

Carr.—On June 3, Mr. Thomas Carr. aged forty-nine-Mr. Carr had been in the employment of Sangers, London, for thirty-four years, and had represented them on the South Coast during the last ten years of that period. He was greatly respected and esteemed both by the firm and the staff, and his death is much regretted by them and all who did business with him.

Dunwoody.—At a nursing home in Dublin, on June 1, Mr. William John Dunwoody, Ph.C., The Medical Hall, Ballybay. The funeral took place at Ballybay on June 3. Mr. Dunwoody was brother-in-law of Mr. R. W. McKnight, Ph.C., Belfast.

Lefeaux.—At 18 Braxted Park, Streatham, London, S.W., on June 3, Mr. Harry I. Lefeaux, aged sixty-six. Mr. Lefeaux had been in the service of the Port of London Authority and its predecessors for fifty-two years, joining one of the old dock companies as a boy clerk in 1863. He was well known in shipping and commercial circles in the City, where he was held in the highest respect. During his career he held the important position of Collector of Charges and for the past fourteen years he was superinten-Charges, and for the past fourteen years he was superintendent of the Town Warehouses, Cutler Street, where the drugs are stored. The funeral took place at Streatham Cemetery on June 5, and was attended by many of the head officials of the P.L.A., including Lord Devonport's representative, Mr. Biscoe.

Newton.—On May 21, Mr. Thornton Albert Claughton Newton, Ph.C., Woburn, Bedfordshire, aged sixty-three.

PRICE.—At Abertillery (Mon.), recently, Mr. Edwin Price, chemist and druggist, aged seventy-two. Mr. Price had been laid asido for some time with pneumonia and pleurisy. He had been in business in Abertillery for about twenty-six years, and is survived by a widow and five sons.

WALKER.—At The Dispensary, Jedburgh, on June 4, Annie Hartley, wife of Mr. Alexander Walker, chemist and

druggist.

WYNHALL.—At the Dovey Pharmacy, Aberdovey, on May 28, Mr. George J. R. Wynhall, chemist and druggist, aged fifty-one. Mr. Wynhall was born at Southsea, and qualified in 1888. He was with Savory & Moore, London, as an assistant for some years, and for nearly twenty years managed a large business in Bath. During the last seven years he managed the Dovey Pharmacy for Mr. Isaac T. Lloyd. He was a good business man, of genial and kindly nature, and very popular with all classes, and his death is deeply regretted. He leaves a widow and one daughter. The funeral took place at Bath on May 31.

Killed in Action.

CAMPBELL.—In France, in April, Private William Campbell, Highland Light Infantry (Glasgow Highlanders), lately in the employment of Lorimer & Moyes, Glasgow.

HOLLAND.—On May 23, in France, Private C. F. V. Holland, 13th Battalion Royal Highlanders of Canada. Private Holland was a brother of Mrs. H. W. Harrie, of

Wanklyn.—On May 31, while flying a seaplane on patrol-duty, Flight-Lieutenant H. G. Wanklyn, elder son of Mr. H. A. Wanklyn, Manehester Avenue, E.C., and of Mrs. Wanklyn, 10 Marlborough Mansions, Finchley Road, London, N.W., aged nineteen. Mr. Wanklyn got his com-mission as sub-lieutenant in the Royal Navy Flying Corps a few weeks after the war broke out, having rapidly qualified himself as an aeronaut. He was a fearless lad, and had done excellent service in his corps.

CORPORAL SIDNEY H. CUNNINGHAM and Captain Passmore, whose deaths were noted in the C. & D. last week, pp. 41 and 42, were also killed in action.

Died from Wounds.

Grant.—In Hospital in France, on May 26, from wounds received the previous day, Lance-Sergeant II. Grant, City of London Regiment. Lance-Sergeant Grant, who was a Bathonian, was for five years an assistant with Nettle's Pharmacies, Tooting, London, S.W. He served in the South London Regiment. African War with the North Somerset Yeomanry, returning with the rank of sergeant. In September last he enlisted in the City of London Regiment and, after two months at Malta, he was sent with his battalion to France.

Died on Service.

WINTER.—At a Base Hospital at Boulogne, recently, of enteric fever, Private William Winter, King's Own Scottish Bathonian, was for five years an assistant with Nettle's was formerly in the employment of Boots Cash Chemists, Ltd. He had been twice wounded in the present war.

"PEYOTE," OR MESCAL BUTTONS.—The branch labora-tories of the U.S.A. Bureau of Chemistry have been instructed to detain all shipments of "pcyote" (synonyms "hikuli," "mescal buttons") offered for import at the various ports, on the ground that it is an article dangerous to the health of the people of the United States. "Peyote" is a product derived from plants of the genus Anhalonium, order Cactacea.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

SIR BOVERTON REDWOOD, Bart., has been elected Master of the Goldsmiths' Company.

MISS B. M. WILLIAMS has resigned her appointment as dispenser at the Royal Hill Infirmary of the Greenwich

Mr. P. G. Curtis, chemist and druggist, has been elected a member of the Committee of the Brightlingsea Tradesmen's Association.

SIR JOSEPH BEECHAM, Bart., St. Helens, has been elected Vice-President and Treasurer of the Providence Free Hospital, St. Helens.

Mr. H. W. Whitelock, chemist and druggist, has been appointed dispenser to the Stepney Union for one year, at a salary of 1201. per annum.

MR. JOHN HENRY COLLINS, ehemist and druggist, Mansfield, has been appointed by Mansfield Town Council a repre-sentative governor of the local Grammar School for three

Mr. J. H. CHANTRY, chemist and druggist, Winchester House, Totland Bay, Isle of Wight, has been appointed Senior Warden of the Needles Lodge of Freemasons, Freshwater, of which Lodge he is a Past Master.

Mr. James Henderson, chemist and druggist, formerly for six years with Betines & Co., Tientsin, has opened a pharmacy in the Legation Quarter in Peking, known as The Legation Pharmacy. Mr. Henderson was at one time assistant with Mr. J. A. Skinner, chemist and druggist, Great Junction Street, Leith, and later was on the dispensing staff of the Royal Infirmary, Edinburgh.

Mr. W. H. Falkenburg, the sole member of the firm of Falkenburg & Hesse, import and export merchants, 28 Fenchurch Street, London, E.C., informs us that, as a natural-born Briton and loyal subject of his Majesty, he can no longer retain the name which he inherited from his father, and will henceforth be called and known as William Henry Faulkner. The firm of Falkenburg & Hesse, which was established unwards of fifty years experience. which was established upwards of fifty years ago, will be discontinued. Mr. E. W. Winsor, who has been associated in the business for upwards of twenty-five years, has been taken into partnership, and the business will be continued under the style of Faulkner & Winsor.

MR. ALEXANDER MACDONALD, chemist and druggist, of Macdonald, Adams & Co., Ltd., Market Street, Johannesburg, South Africa, who is expected shortly on a visit to this country, served his apprenticeship with Mr. R. Thomson, chemist and druggist, Elgin. He had his Minor oducation from Mr. William Duncan, Edinburgh, and then had five years with Squire & Sons, Oxford Street, London, before going to South Africa He acted as a present the had nive years with Squire & Sons, Oxford Street, London, before going to South Africa. He acted as manager for Lowenstein. Adams & Co., Ltd., in Johannesburg, and succeeded Mr. Lowenstein, who is a German, as partner in the business. He is a Past-President of the Pharmaceutical Society of the Transvaal. A portrait of Mr. Macdonald was given in the C. & D., August 5, 1995, p. 265.

Mr. John W. Franklin, of J. Thompson & Co., chemists, Kobe, Japan, arrived in London last Saturday by the overland route. The journey took seventcen days, or three days longer than usual; but that was a few days less than the other passengers, as Mr. Franklin, by judicious use of the motor-car, took some short cuts. It is interesting to noto that saving thirty versts of territory the Trans-Siberian Railway is running as usual. Mr. Franklin reports that business in Japan is excellent. His own firm have "collared" the aërated-water bottle business in the East, having displaced the align property bettles. displaced the alien enemy bottles. A similar thing is happening in many other branches of business—in fact, Mr. Franklin's visit home is chiefly to buy, and letters for him may be addressed to the C. & D. office.

Salt Containing Barium Chloride.—As a result of a study of the production of salt from brines containing barium chloride, the U.S.A. Bureau of Chemistry is of the opinion that no salt should be offered for sale for foodpurposes if the salt free from moisture contains more than five hundredths of 1 per cent. (0.05 per cent.) of barium chloride. Investigation has shown that the highest grade of salt, designated as No. 1, or table and dairy grade, contains considerably less barium chloride than 0.05 per cent. when ordinary care is exercised in the salt-works to prevent an undue concentration of the mother-liquor in the grainers. Salt which contains more than this amount of barium chloride should be distinctly labelled "Contains barium chloride, Not for food-purposes."

Trade Notes.

AT THE REQUEST of Kolynos, Incorporated, the White Band Manufacturing Co., Ltd., have ceased to manufacture their product known as "Zolnos."

"O. J. H." is the brand which Francis Newbery & Sons, Ltd., 27 and 28 Charterhouse Square, London, E.C., place on their standard sixpenny tooth-brush, for which their price is 3x 6d, per doz., less discount.

on their standard stapeling tooth-brush, for which their price is 3s. 6d. per doz., less discount.

"Gripe-water" means Woodward's. The public so believe, and this view has been sustained in the English High Court. The makers, W. Woodward, Ltd., Nottingham, protect the price on P.A.T.A. terms, and supply attractive showcards to retail buyers.

ZING OXIDE for medicinal and pharmaceutical purposes can still be got from H. E. Stevenson & Co., 122 Great Suffolk Street, London, S.E., who are specialists in this business. Buyers who have taken the advice they have been given for some time back are fortunate and have made money.

"The Call of the Country" is the title of a series of miniature monographs which are printed on Maw's page this week. "It's wonderful what the House of Maw does for us nowadays in helping sales and in meeting prices," remarked a pharmacist the other day, but it is not astonishing to students of the pages which they insert in the C. & D. weekly.

SPRATT'S DOG-SOAP is one of the articles of which chemists should make money in this warm weather. It means comfort to every dog upon which it is used, as well as easier minds to those who handle the dog. It pays the chemist, too, as may be seen by reference to the advertisement in this issue by Spratt's Patent, Ltd., 24-25 Fenchurch Street, London, E.C.

OPPENHEIMER, SONS & Co., Ltd., Queen Victoria Street, London, E.C., have just supplied the complete fittings and equipment (except surgical instruments) for a hospital at Ipek, Montenegro, to the order of the Wounded Allies Society. It was a big and smart job, which gave the staff five days' hard work before all the medicines, apparatus, and other essentials were assembled, packed, and despatched.

SODIUM HYPOSULPHITE.—Messrs. Samuel Lambert & Co., 14 Mincing Lane, London, E.C., were commissioned by the War Office last week to commandeer every pound of sodium hyposulphite that could be found, and as the result of their efforts we understand that adequate supplies were quickly obtained by the firm for the Government, and, thanks to the patriotic attitude adopted, the prices paid were very reasonable.

This is "Prana" Sparklets season. Aërated beverages made in the syphons at home are a great convenience to householders in town and country, and retailers have every encouragement from the makers to promote sales. They should write for further particulars to Aerators, Ltd., "Prana" Sparklet-works, Upper Edmonton, London, N., who, by the way, have demonstrated the utility of their method in extinguishing fires, and this comes in well at present for Zeppelin business.

Danzo Beetle-Powder.—One of the disadvantages of summer-like weather is the plague of insect-pests that follows. Danzo beetle-powder—the new scientific exterminator of beetles, cockroaches, ants, crickets, etc.—is therefore of particular interest to chemists who desire to cope successfully with the demand for a reliable insect-destroyer. The trade terms are: 2 doz. 3d. tins, 2s. 1d. per doz.; 1 doz. 6d. tins, 3s. 3d.; 1s. tins, 7s. 5d. per doz.; and 2s. 6d. tins, 18s. per doz. It therefore shows from 44 to 66 per cent. profit (protected) to the retailer. Special terms are available for shippers. Inquiries should be addressed to Danysz Virus, Ltd. (Dept. 350), 52 Leadenhall Street, London, E.C.

Ltd. (Dept. 350), 52 Leadenhall Street, London, E.C. OFFICIAL PATTERN RESPIRATORS.—We have referred on previous occasions to the respirators for neutralising poisonous gases which have been devised and are being made for the War Office by John Bell & Croyden, Ltd., 50 Wigmore Street, London, W. The company are now in a position to supply chemists, and advertise the fact in this issue. We may state that we some time ago inspected this official pattern respirator, and have again this week had an opportunity of closely examining it. The respirator is unlike any others we have seen, is substantial in character, and good evidence is forthcoming of its efficacy in practice. The pad is large and saturated with an anti-chlor which remains moist, this idea having originated with John Bell & Croyden, Ltd. The respirator is provided with material which covers and protects the eyes, and the whole is enclosed in a khaki waterproof case provided with the necessary tapes for attaching to the accoutrement.

UNPERFUMED PAPIER POUDRÉ.—The manufacturers of this popular toilet-adjunct (Papier Poudré, Ltd.,20 Baker Street, London, W.) inform us that they now supply it unperfumed. This is done in response to requests by ladies that they do not care for perfume; and as they want to get it unperfumed from chemists, retailers should take advantage of the novelty to make their customers aware of it by suitable introduction.

THE CIVILIAN RESPIRATOR is represented in the annexed engraving. At present Londoners and folks in other places which have been visited

which have been visited by Zeppelins, or which are expected to be visited by these disagreeable airbags, are taking all reasonable precautions to minimise the dangers or discomforts incidental to such visits. Protection against "gassing" is one of these, and the civilian respirator and face-mask is an invention which will meet the public requirements fully. It slips on, covering the face and head (including the ears), and stays on by means of elastic (no



tying on being necessary). The eye-piece is of non-inflanmable celluloid, and the antichlor is placed where the perforations are. Each respirator is sent out in a leather case, in which it may be kept damp ready to put on. In this-form it retails at 2s. 6d., showing the retailer 50 per cent. on his outlay. The respirators may be obtained by ehemists direct from the makers, D. Harper & Co., Ltd., 258/262 Holloway Road, London, N., whose telephone number is North 1,636.

A Profitable Side-line.—One of the features of the development of the modern chemist's business is the increase in the number of side-lines which the pharmacist finds it necessary to carry. One of the most popular and profitable of these is Waterman's Ideal Fountain Pen, for which there is now an enormous demand. This pen is perfection itself. The ink-flow is easy and regular, the "feed" being the Waterman patent spoon feed, whereby the ink is held in reserve and released only when demanded by the pen-point. It writes the moment it touches the paper without spluttering, scratching, or blotting. The nibs are of solid 14-carat gold, pointed with iridium. These are ground to suit every conceivable style of handwriting, and a wide range is carried in stock to select from. There are several different styles of pen—regular style, safety, pump-filling, and self-filling—retailing at from 10s. 6d. upwards. Particularly interesting to pharmaeists is the safety type. This pen is specially recommended for doctors and nurses as it can be carried in any position and cannot leak. It combines all the special features of the Waterman's Ideals, and is so made that the gold nib screws back into the barrel, thus permitting the cap to screw down on the open end and positively seal the barrel. This type is also recommended as the pen for sailors and soldiers on active service, sportsmen, travellers, etc., and, as it can be carried in the purse or handbag, it is an excellent style for ladies' use. Pharmaeists will have many opportunities of pushing this article. It is widely and forcefully advertised. Generous terms are offered to retailers, and advertising matter and counter showcases are supplied with orders. Trade particulars may be obtained from Mr. L. G. Sloan, "The Pen Corner," Kingsway, London, W.C., from which address the whole of the European, Asiatic, African, and Australasian business is conducted. A C. & D. representative, who has had opportunity of inspecting the pen department, was particularly struck with the arrangeme

"DISEASES AND REMEDIES."—Chemists and druggists need to know something about diseases and their treatment, and this book fills the gap between books of domestic medicine and standard works for medical practitioners. The fourth edition has been brought up to date and enlarged to 262 pages. Price 3s. net, by post 3s. 3d., from the C. & D. Book Department, 42 Cannon Street, London, E.C., or leading wholesale houses.

A New "C. & D." Book.

"CHEMISTS' WINDOWS," an illustrated treatise on the art of displaying pharmaceutical and allied goods in chemists' shop-windows, with chapters on ticketwriting, the mechanics of moving devices, and business-promoting accessories. Size 7 in. by 4½ in., and containing nearly 200 illustrations in 218 pages of text. Published at the offices of The Chemist and Druggist, 42 Cannon Street, London, E.C., at 3s. 6d., by post 3s. 9d.; also from wholesale houses (see below).

Contents.—Introductory; The Window Itself; The Window-enclosure (supports, lighting, preventing steamy window-drapings); Window-tickets (ticket-writing tools, inks and pigments, cardboards, lettering, spacing, layout, wording, price-tickets, types of showcards, light-signe, outside window-posters); The Art of Arrangement; Mechanical Window-displays; Curious Window-attractions; Topical and Local Interests; A Chapter on Origins; Seasonable Displays (window calendar, spring medicincs, summer beverages, autumn articles, winter windows, Christmas displays); Displaying Toilet-articles; Pharmaceutical Exhibits; Surgical Appliances; Optical and Photographic; The Veterinary Chemist; The Prize Window; Index.

"There is no doubt the book will rank with your best, and will occupy a unique position in the pharmacist's library," writes Mr. A. Mortimer, dispensing chemist, Harrogate, and he thoughtfully sends us the following review of the book:

For some years now there has been a growing interest in modern window-dressing among all classes of traders, especially among chemists. The pharmacist of to-day is more of a business man than his predecessor. Business competition and increasing expenses have made it necessary that he should be. As a business proposition, if the bulk of the rent is paid for the shop-window, the shop-window ought to be used in such a way that sales will be effected the profits on which will pay the bulk of the rent. The shop-window is the index of the shop as well as of the proprietor. He must see to it that the window is dressed to ensure a good impression. As the introduction to "Chemists' Windows" states:

In no rateil business does personality count for more

In no retail business does personality count for more than in pharmacy, and this personality is frequently reflected in the manner that the retailer makes use of his shop-window as a medium for exhibiting his goods or qualifications. The public are disposed to judge what may be expected in the interior of a pharmacy by the window-contents, and first impressions count for much. It rarely happens that one puts confidence in a chemist whose shop-front presents fly-blown windows enclosing dusty articles with bleached labels. "His drugs are fresh" is a saying that is almost proverbial, and it cannot apply to such shop-windows. Chemists' goods are in a different category from those of the ordinary shopkeeper. When a man is ill it is not the cheapest article that he wants, but the best, no matter what the price may be within reasonable limits.

We all need help in this particular direction, for our business training is still sadly lacking. "Chemists' Windows" is the best book of the kind to give the necessary assistance that has yet been published. It touches every phase of business-building by means of the window. The originality of the book is its charm. For instance, in the ticket-writing section, in about twenty pages all the necessary information to enable an amateur to turn out a very presentable window-ticket is given. The tools required, the inks and pigments, and the kinds of card to use are all explained. Lettering is treated differently from any other book on the subject. All books tell you that "correct proportions" are essential. So does "Chemists' Windows," but it goes a step farther: it tells you how to make accurately formed letters. The method of making capitals so that when three letters only have been formed you have the whole alphabet is the smartest and most ingenious picce of originality in letter-forming I have ever seen. That alone is well worth the price of the whole book.

The sixteen chapters of the book are well arranged, and enable one to turn to any required section, knowing that all the suggestions on the subject will be found together. For a book having 192 pages (exclusive of the introduction and the index) to have 194 illustrations is remarkable, especially when every one of these is bristling with helpful

suggestions. Already, while reading the book for the first time, I have got ideas for several new windows from the suggestions. The ideas for window-trims are remarkably varied and full of originality. Not the least helpful part of the book is a good index. You are in doubt what to show; turn up the calendar of window-shows. It is winter, you decide on liquorice and a eough-cure. Turn up these in the index, and you have at once a choice of five or six window-displays. If it is summer, and your idea is that it is time to show sponges, following the same course you have a choice of three original shows.

The rips suggestions and window-desseys' aphorisms are

The ripe suggestions and window-dressers' aphorisms are innumerable. The dozen or more mechanical window-displays are all simple to follow and effective in use. All classes of business can find in the book the very thing they have been looking for. The Chemist and Druggist deserve the thanks of the chemists of Great Britain and Ireland for publishing such a work. To the C. & D. should be added the public-spirited chemists who, when they had a good idea that had been profitable to them, were willing to let their brothers have the benefit of their experience. A few of my own windows have been incorporated, and I venture to hope that they will be serviceable to other pharmacists and not be out of keeping with the art and practice of pharmacy.

Other Opinions.

"We have glaneed through 'Chemists' Windows,' and can easily see that if any ehemist chooses to act upon some of the ideas mentioned in it he will recover the price of the book in a day."—Hall, Forster & Co., Ltd. (Newcastle-on-Tyne).

"Another 'want' is supplied by the publication of your book on 'Chemists' Windows.' Full of interest and instruction (which can be turned to a profitable account by the wideawake chemist), and contains many ideas which the expert dresser can make into further window-shows."—

H. A. Martin (Leicester).

"In publishing your new book, 'Chemists' Windows,' you have rendered a service to pharmaey; in fact, next to 'Pharmaceutical Formulas,' I consider that it is, for those chemists who are in business for the purpose of making money, the best of the C. & D. series. The book eaters for all elasses of the trade, and should be carefully studied by every apprentice, assistant, and master, for nowadays in the eyes of the public the window is the soul of the business. Many a time have I noticed a stranger studying my windows, and then come into the slop. The result may be a good order or a simple question, such as, 'Where can I stay the night?' but it all indicates confidence, and one's personality does the rest."—

John H. Robinson (Liverpool).

The following firms supply "Chemists' Windows" at the published price. Include a copy in your next order:

he published price. Include a copy in your next order:
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Society of Chemical Industry.

London Section.

MEETING was held at Burlington House, Piccadilly, A London, W., on June 7, Professor W. R. Hodgkinson in the chair. The attendance was not so large as usual.

Annual Report.—The Chairman read the annual report of the Section, which stated that the membership is 1,051, against 990 (1914), 1,004 (1913), and 904 (1912). average attendance at the eight meetings held during the session has been 115, an increase over that of previous years, due, the report suggested, to the exhibitions of British-made laboratory ware and chemicals which have formed a feature of several of the meetings. The expenditure during the session has been 73l. 11s. 4d.

ALTERATION OF RULES.—Mr. J. W. Hinchley had given notice of motion to alter the by-law dealing with the nominations for vacancies on the Committee, but when called upon by the Chairman to propose the resolution, he asked that the matter be postponed till the next meeting, when a new Committee would be in office.

meeting agreed with the suggestion. REFINING CALICHE.—Mr. J. B. Hobsbaum then described the Gibbs process which has been devised for extracting sodium nitrate from caliche. By means of lantern-slides the present process was described and its defects pointed The chief defect of the old process is that there is a loss of 45 to 60 per cent. of the nitrate. This was not so serious while rich nitrate ground was available, but as the grade in many of the estates is now about 17 per cent. nitrate, and in some cases as low as 10 per cent., it is obvious that the old wastefulness cannot be continued. The Gibbs' process, which has been devised in London, is a system of lixiviation in the cold, specially adapted for local conditions in Chile. The crude material is disintegrated and passed through a series of classifiers, with liquid flowing in the opposite direction. The strong liquors are then evaporated in Kestner evaporators, which are fitted with special arrangements for separating the sodium chloride thrown down as the solution becomes more concentrated. On an experimental scale, and reproducing the conditions in Chile as near as possible, the method has been found to work satisfactorily. It is method has been found to work satisfactorily. much quicker than the present process, and will be the means of prolonging the life of the Chile nitrate beds for many years. In the discussion which followed Mr. Hinchley suggested that if improvements had been introduced in the old process it would have been more of a credit to chemical engineering than is a method of such acknowledged wastefulness. Mr. W. F. Reid referred to the labour difficulties which make it necessary that the process employed shall be "fool-proof." He had every hope that the Gibbs process would be successful when worked on a large scale. Mr. Reid suggested that the "salt" thrown out might consist of potassium nitrate or contain a good proportion of it. Mr. Hobsbaum, in reply, referred to other difficulties which had to be faced in devising the new process, the chief being the lack of water and the dearness of fuel. Chile saltpetre sometimes contains potassium nitrate, one consignment having been rejected because it contained 10 per cent. of the

potassium salt. (Laughter.) TESTING LUBRICATING-OILS.—Mr. Arnold Philip then described a method he has devised for testing the mineral Inductional Tubricating of the steam turbines. It appears that oils tested by the chemical and physical methods at present employed may be unsatisfactory, because the oils in use are readily emulsified, a property which is highly objectionable in lubricating oils of this class. Mr. Philip has devised a method of taking the "demulsification value" of oils, the oil of highest value being the one which separates out quickest. Half a litre of the oil and the same quantity of water are heated to boiling-point and then placed in an electrically driven emulsifying apparatus for five minutes. The resulting mixture is placed in graduated glass jars and the amount of oil separated in twenty-four hours noted. Two plement.

tests were performed, one with a high-class lubricating oil and the other with the same oil to which had been added 5 c.c. of a fuel oil. The difference between the rate of separation was very marked, even in a few minutes. The speakers in the discussion which followed referred to the reason why some oils should show greater tendency to emulsification. Nitrogenous bodies and sulphonated bodies were suggested as causes.

THE APPLICATIONS OF ADOBE.—The Chairman then read a paper by Major Ferriz, the Chief Inspector of Explosives in Mexico, which had been communicated by Captain C. J. Guttmann. Adobe is a friable earth which is made into bricks and used for constructing buildings in which explosives are made or stored. The peculiarity of adobe bricks is that they crumble to powder under the action of explosives, and thus no harm is done by flying brick-Photographs were shown on the screen of the effects of exploding dynamite outside and inside buildings of adobe brick. Captain Guttmann, who was present, of adobe brick. further explained the claims made for the material. was pointed out in the discussion that adobe would not be so suitable for buildings in a rainy climate, such as that of the United Kingdom, and Mr. Reid suggested that if waterproofed with a paint made of fresh blood and lime the material would stand a wet climate.



Postal Address: C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London E.C. Teiegraphic Address: "CHEMICUS, CANNON, LONDON" (two would). Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

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See also "War Wants Exchange" in the Coloured Supplement.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, Information Department, THE 42 Cannon Street, London, E.C.:

Arnaud's fumigating pastilles, Glass unions for feeders, 117/59

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Ballykinran ant-shier, 119/10
Beta-Quinol, 81/72
Bichromate of potash, 117/37
Bismuth subnitrate (for Russia), 125/13
Bone rings, etc., for soothers, 123/620
Cachets (empty), 120/624
"Cascade" syringes, 120/620
Cascin (technical), 116/46
Celluloid eye-shades, 120/626
Celluloid tubes, 118/5
Celluloid tubes, 118/5
Chlorhydrine suphate, 114/73
Fellows' syrup of hypophosphites, 114/51
Finch's fly-traps, 120/71
Foulkes' cement, 122/56
Fumigating pastilles, 115/49
Geranium oil, 113/74
Glass syringes, 120/626
Glass tubes, 114/61

See also "War Wants Exci

Kananga water, 112/500

"Klensene" for dogs, 119/19
Lactic tablets, 123/45
Liq. helalin and bismuth, 120/45 120/45 Luce's Ean de Cologne, 114/511 "Lutetia" bandages, 125/12 "McGoids," 120/65 Metal soap-boxes, 120/62 Portable disinfectors (for disinfecting soldiers' clothing), 117/50 "Raditherm" vacuum flask, 126/70

Hypodermic needles, 120/629

120/10 Respirators and goggles combined, 117/65 Rochelle salt, 117/13 Rot'uband's plasters. 120/627 Salammoniac, 113/490 Vacuum flasks, 118/40 Vi-Cocoa, 117/609 "Vitalia," 117/61

See also "War Wants Exchange" in the Coloured Sup-

Observations and Reflections. By Xrayser II.

The Authority of the G.M.C.

would seem to be strictly limited. I have hitherto been under the impression that the Council had control of all such matters as the length of the curriculum and the subjects of education, as well as seeing that the examinations are efficiently conducted. Apparently I am wrong. The licensing bodies have power to recognise any courses of study they please, and what the G.M.C. does is to step in and see that the Final or Qualifying examination is all right. But surely the Final is the crux, and so long as it is controlled by the G.M.C. that body has the whip-hand, and the licensing bodies will be exceedingly careful to take no step that is likely to end in a fiasco. Considered from this point of view, therefore, the Education Committee's report is a somewhat disingenuous production. Council has the final word, but it nevertheless pretends to put on the licensing bodies the responsibility of rejecting study for the "Minor" examination as part of the medical curriculum. This is far from satisfactory, but at least it makes it abundantly clear that there is no liking for the proposal, and if the shortage of medical men a few years hence becomes a public danger, it cannot be said that the Council has done much to avert it.

The Patronising Reference

to the Pharmaceutical examina-tions, which "appear to be amply sufficient" for the purposes of pharmacy, but which by inference are not sufficient for medicine, indicates quite clearly the animus of the Education Committee of the G.M.C. Are the medical examinations in scientific subjects more severe than the pharmaceutical? This is a question that can easily be determined by a comparison of the respective courses of study, and I shall be surprised if any competent and impartial authority agrees with the Council's view. As to the Preliminary examination, Mr. Woolcock has really got all he asked for—namely, pro tanto recognition; and as the right to this appears to have all along existed, he has been trying to force an open door. Here, again, however, there is room for difference of opinion, since no two men are likely to be perfectly agreed as to educational and examination values. If the Society had retained control of its own examination there would have been more room for negotiation, but there is little use in resurrecting the dead-and-buried machine now. Whether it would be worth anyone's while to keep the subject open by bringing it before the Privy Council might be considered, but I fear there is too much on hand at present to warrant even the Privy Council trying a fall with the G.M.C. on a subject so thorny as this is.

The Report of the London Panel Sub-Committee,

which you published and commented upon last week, should mark the beginning of the end of the present discounting arrangement. The report assumes that economy in prescribing would obviate the difficulties of the situation, and implies that this cannot be ensured by the present arrangement. It assumes, too, that a monthly notice to every prescriber of the average cost of his prescriptions might serve this purpose; which is an admission that the carelessness of the doctors is to blame for the necessity to discount our bills. Coming from such a source these admissions show, as nothing else could do more convincingly, the injustice under which we labour. The joint checking of the accounts has been a farce from the beginning; the Panel Committee has no interest in keeping them down; the Pharmaceutical Committee is powerless to do it; the work evidently belongs to the Insurance Committee, which is responsible for the payment; but for that Committee or any other body to charge upon chemists a deficiency for which the doctors thus virtually confess themselves answerable is a scandal too obvious to continue. The decision of the London Panel Committee to withdraw from the joint arrangement for checking the accounts will have have far-reaching results; it exposes the futility of the whole scheme. A three-cornered duel of this kind is almost as absurd as the "leading case" in Captain Marryatt's novel. On the other hand it may safely be predicted that a straight issue between the body responsible for the bills and that responsible for paying them would present no practical difficulty.

Your Retrospect of Last Week

carried my mind back to the early days of my apprenticeship, and to the strife of tongues over the respective mcrits of the two Pharmacy Bills which was then going on. It was my impression at the time (I was, of course, but a youth), and it is my opinion still, that a better Bill might have been passed than was ultimately got through had there been less strife and a friendlier spirit between the two Societies. The chief difference between the two Bills was this: the Pharmaceutical Society's Bill was based on the principle of restricting the compounding of the pre-scriptions of duly qualified medical practitioners to registered chemists; that of the United Society on the principle of confining to them the right to retail certain poisons. As we know, the latter finally prevailed, but it is at least open to argument that the former would have been more favourable to our interests, and it is obvious that a really satisfactory Bill would have included both. An attempt was afterwards made to include both, but without success. This, however, was not until the Select Committee had rejected the principle of Bill No. 1, which probably it would not have done had the two principles been embodied in one Bill approved and strenuously supported by the whole body of pharmaceutical chemists and chemists and druggists. I recur to this chapter of history not to revive old animosities, but to point the moral that unity is the true policy in all dealings with the Legislature. One Society, truly representing the whole trade, is better than two.

Harmal.

the botanical source of harmine and harmaline, was never official in this country, but as harmel, or wild rue, it figures in the Anglo-Saxon Leech-book, in most of the old herbalists, and in some comparatively modern Dispensatories. Lyte and Gerard both speak of it as similar in its properties to garden rue, but so much stronger as to be dangerous even as an external application, Gerard going so far as to say that its "vapour or air" will blister the face. Alleyne attributes to its seeds intoxicating and soporific properties; Lemery says it is "incisive, attenuante, digestive, dessicative, and aperitive," adding that among other effects it promotes the secretion of urine. It seems, however, to have been of most importance on account of the colouring-matter, known as harmala red, extracted from its seeds. Pliny, by the way, says that rue is best when it grows under fig-trees, which Plutarch explains on the supposition that the sweetness of the figs passing into the rue allays its over-rankness!

Irish Slate

is not, I fancy, often asked for now, but I remember a time when it was in fairly frequent demand, and (as you said the other day) it is certainly not obsolete. The name appears in "The Chemist's Dictionary of Synonyms" for "an argillaceous slate containing iron and sulphur; rottenstone." The earth figures among the Simplicia of the early editions of the Edinburgh Pharmacopœia as "Lapis Hybernicus" and "Tegula vel Ardesia Hybernica," and was esteemed as an astringent, thanks, no doubt, to the alumina it contains. It had gone out of use, except among "the common people," in Quincy's time, but they (he says) had "a mighty opinion" of its virtue as a healer of bruises and inward injuries. It was taken inwardly in ale or beer, but was, I believe, more frequently used as an external application to stop bleeding. This is indeed the only use that Lemery assigns to Tegula.



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Editorial Articles.

The Shop-window.

A Wire-cauze Blind as a dressing for the chemist's window was once the ideal in British pharmacy. Some who boldly advocated it are still alive, but the idea is dead, and this week we have added to the C. & D. series of books for chemists "an illustrated treatise on the art of displaying pharmaceutical and allied goods in chemists' shop-windows" (see p. 45). An English book of this kind has been wanted, and this one of ours will, we believe, meet the requirements. We have endeavoured to treat the subject from the point of view of the man behind the counter who has to buy and sell pharmaceutical goods in order to make a living. When one looks back upon his initiation into the Art of Pharmacy as it is practised in the British Empire, he may be able to recall that amongst the first things he had to do was to assist in the periodical dressing of the shop-window. Perhaps he may have had to do it all himself from the earliest months of his apprenticeship. If he happened to be a reflective person, then he may have realised that this is an important part of the chemist's business, for he could not help observing that things shown in the window are asked for at the counter. Here was the beginning of personal realisation that pharmacy is a business—the business of getting people to buy the goods that chemists have to sell. The apprentice's ideas of window-dressing were not got from books: he did as he was told, or noticed what other chemists' windows contained, and occasional visits to other towns may have given him fresh ideas and widened his interest. If he happen to have been pharmaceutically born in the twentieth century, a world of windows has been brought within his ken by THE CHEMIST AND DRUGGIST, which commenced with the century to make a "Chemists' Windows' column a regular feature. Another stimulus to interest in the art of window-dressing has during the past decade been afforded by "proprietors of proprietaries," who have devised competitive prize schemes for window-displays of their goods. While progress in knowledge and practice has followed these means, the art of displaying chemists' goods has not until now been embodied in a companion book to "The Art of Dispensing," yet it may be more important to a majority in the business than is the latter, and certainly more profitable. In this book we present a systematic exposition of the subject. Full particulars about it are given on p. 45.

Spirituous Medicines... III. Further Considerations.

As long as the Finance Bill is before Parliament we expect there will be something to say about the provision contained in it for relieving rectified spirit of the additional duty when it is used for making medical articles. The procedure in regard to the exportation of spirituous

medicinal preparations under drawback was one of the subjects discussed between the Revenue authorities and Mr. C. A. Hill and Mr. J. C. Umney EXPORTATION in the interview to which reference OF TINCTURES. Was made in the C. & D. The payment of drawweek (p. 49). back on exportation will remain exactly as at present, no alteration in procedure or payment being necessary under the provisions of the Immature Spirit Act. The reason for this is that the Finance (No. 2) Bill will enable the Revenue authorities to pay the manufacturer a rebate of the additional duty upon the spirit used in making any medical preparation immediately that that article is finished or warehoused. Mr. Umney has instanced to us tincture of belladonna as an example of the procedure. Here the spirit used for making the tincture has paid duty of 16s. 3d. per proof gal. (14s. 9d. plus 1s. 6d.). If, say, 70-per-cent. alcohol equal to 100 proof gals. has been used in the laboratory for tincture of belladonna, as soon as the Revenue officer has satisfied himself that the spirit has been converted into the medical article tincture of belladonna, and is transferred from the laboratory to the warehouse or stored in the laboratory, he will issue a certificate authorising the manufacturer to get repayment or rebate of the additional duty, amounting at 1s. 9d. per proof gal. to 8l. 15s. It will be from such stocks of medical articles that the exporter will take spirituous preparations for exportation on drawback, hence export business will not be complicated with the rebate arrangement at all.

We explained last week the procedure which makers of medical preparations upon which rebate of the additional duty is paid have to follow under the RECORD regulations in order to satisfy the Excise authorities. The interview above referred to Books. was of special service because it secured in advance an outline of regulations which cannot in the natural course of things be published until the Finance

Bill is passed by both Houses of Parliament and receives the King's sanction. We find that there is a demand for S.V.R. record books to meet the regulations quoted last week. These are not yet published, and until some Excise stationer produces them we understand that an office-ruled book will satisfy the Revenue requirements. The columns and headings required are: (1) Date; (2) Quantity of Spirit; (3) Strength of Spirit; (4) Proof Quantity of Spirits Sold or Used; (5) Name, Address, and Business or Profession of Person to whom sold, or Purpose for which the Spirit is used.

There is some uncertainty among Irish pharmacists as to how they may get the full benefit of the Glyn-Jones sub-section in the Immature Spirits (Re-

THE PROstriction) Act, as to which they are in VISIONS IN doubt, and the matter has been brought to TRELAND. our notice by the President of the Pharma-

ceutical Society of Ireland, with whom we have had an opportunity of discussing the subject. difficulty lies in the fact that the sub-section gives the exemption, inter alia, to those entitled to carry on the business of chemist and druggist. In Great Britain this class includes pharmaceutical chemists, but in Ireland pharmaceutical chemists, who constitute the greater part of the drug-trade, are not, strictly speaking, chemists and druggists, nor are registered druggists mentioned. We are of opinion that the context should suffice to warrant the Irish Revenue authorities including all three classes in the exemption; but in any event the exemption is

of Customs and Excise," this enabling them to license such persons, as makers of spirituous medicines, to obtain rectified spirits for that purpose. This provision was regarded by the officials as sufficient without the Glyn-Jones amendment, but the latter being specific in its purpose settles the class of persons beyond departmental opinion.

Overseas Trade Progress.

In spite of many adverse conditions which restrict the British overseas trade, the recovery which has been in progress since January last continues. The imports last month were valued at 71,644,966l., the exports of British produce and manufactures at 33,618,9921., and the exports of Colonial and foreign goods at 10,243,3191. The imports were worth 12,545,676l, more than in May 1914, while exports of British goods fell by 8,432,1981. and re-exports fell by 128,200%. only. It must be borne in mind that high prices have much to do with the increased imports, but the quantities are also satisfactory. Under the head of "Food, Drink, and Tobacco" there was a total increase of 8,116,6271., of which 5,234,9531. was in grain and flour; the total amount received was 15,715,000 cwt., or about 22 per cent. more, while the average of prices was considerably higher. Meat imports were up by 1,183,404l. in value, and there was also an increase of 1,210,0881. in dutiable products, chiefly tea and sugar. Among the raw materials, which increased by 5,845,4791. to 26,180,9641., exceptionally large imports of raw cotton and wool were the features, the increases being 2,737,5071. and respectively, while in each case it was quantity and not prices which told. Oil-seeds and the like were up by 601,328l. to 4,800,833l., but higher values rather than quantities played the more important part. As is usual at this period, petroleum showed a big drop from 69,632,968 gals. to 37,176,777 gals.; included in the foregoing is motor-spirit, which declined from 13,139,280 gals. to 8,190,910 gals., and fuel-oil, which declined from 26,442,087 gals. to 3,004,162 gals. Oilseeds like castor and linseed show unimportant decreases, but rape and soya improved, the imports of the latter being 16,940 tons against 9,778 tons in May 1914. The item "Nuts and kernels for expressing oils therefrom" rose from 10,769 tons in May 1914 to 62,239 tons last month, the values being 227,495l. and 963,524l. respectively; on the five months' working the value of this item is 4,259,600l., against 996,584l. in May 1914. Most of this business is in ground-nuts, palm-kernels, and copra, the bulk of which, from British possessions, formerly went to the Continent. Tallow and rosin were received in much larger quantities, the increase in the latter being phenomenal at 218,000 cwt. for the month. Gum arabic declined by almost half, and shellac and other lac declined by two-thirds to 3,254 cwt. As regards manufactured goods there was a decrease of 1,431,668l., but copper and lead show a big advance. Chemicals and allied products were 403,1801. more, the total being 1,575,7811. These figures tend to show that we are getting better all-round supplies-e.g., miscellaneous chemicals improved by 129,3911. and unenumerated drugs and medicines by 117,501l. Quinine imports increased by 163,927 oz. to 292,500 oz., and other expansions were acetic acid, 4,181 cwt.; brimstone, 104,012 cwt.; glycerin, 6,899 cwt.; and synthetic indigo, 4,474 cwt. Products which declined include bleaching-materials, given "to other persons licensed by the Commissioners decrease 10,843 cwt.; cream of tartar, 1,602 cwt.; tartaric acid, 2,386 cwt.; saltpetre, 1,477 cwt.; alizarine and anthracene dye-stuffs, 4,282 cwt.; aniline and naphthalene dye-stuffs, 26,371 cwt.; tanning-bark, 18,292 cwt.; and valonia, 24,562 cwt.

As was to be expected, the greater part of the decline in exports was in manufactured goods, which fell in value by 7,237,580l., and coal shipments also fell by 899,000l. Chemicals, drugs, dyes, and colours appear be exceptionally prosperous, this being the only scheduled item show-The values for the month were ing an increase. 2,166,082l., or 260,528l. better than in May 1914. still appear to be releasing larger quantities of "coal products, not dyes," May shipments being valued at 284,776l., against 258,540l. in May 1914. Our exports of benzol and toluol were very much larger, being 730,604 gals. against 449,349 gals., which evidently shows that the Government has the high-explosive situation well in hand. Of course, purchases made on behalf of the Governments of our Allies are included in the above There is also an increase in the exports of figures. aniline oil and toluidine, the total being 172,634 lb., against 113,850 lb. in May last year. No doubt Switzerland has taken a fair amount, to be returned to us as aniline dyes, in accordance with the Government scheme. Carbolic acid shows a restriction to 12,781 cwt. from 14,508 cwt. Soda compounds continue to do well, exports being 731,300 cwt. against 614,940 cwt., the chief expansion being in soda-ash and chromates. Although potassium compounds are scarce in this country, we exported 28,4571. worth, chiefly saltpetre, chromate, bichromates, and miscellaneous kinds. The exports of drugs and medicines continue very satisfactory, showing an increase of 36,502l. and a total of 241,747l.; quinine shipments continue to expand, 175,580 oz. being exported as of British make, or 43,752 oz. more. For the five completed months of the year the drug and medicine exports are as follows:

> 1913 1914 1915 £981,461 £1,032,613 £1,160,401

Quicksilver being under strict Government supervision, a decrease of 43,125 lb. is not surprising, shipments for the month being limited to 109,050 lb.; on the other hand, we received 298,320 lb. during May, and comparing our imports to date with the corresponding figures of 1915 and 1914, no change is indicated at 1,772,285 lb. In the table given below we show the variation in trade just prior to and since the war, the monthly total of imports and exports representing increases or decreases as the case may be:

		Imports.	Exports.
1914		£	£
June		- 37,000	- 2,964,000
July		-2,400,000	-2,759,000
August		-13,614,000	-19,899,000
September		-16,304,000	-15,751,000
October		-20,171,000	-18,021,000
November		-12,480,000	-20,155,000
December		-3,560,000	- 17,048,000
1915			, ,
January		604,000	-19,558,000
February		+ 3,215,000	-15,084,000
March		+ 8,600,000	-14,300,000
April		+12,000,000	-7,800,000
May	•••	+12,546,000	- 8,432,000

The above figures show there has been a fine recovery on both sides of the account since the war began, but we are now approaching a period of the year when some shrinkage is looked for. We may add that a certain portion of the export trade of the country is being conducted under disheartening conditions, and lengthy delays in the granting of permits by the War Trade Department are quite commonplace, judging by expressions we hear. Frequently the Department acts in an arbitrary manner in the refusal of the extension of the date of permits, thereby causing trouble, delay, and expense to shippers.

Lessons of the War.

The Germans, according to the authoress of "Reflections of a Non-combatant," have at least taught us one lesson, and that is the true nature of war. Being a logical people they have carried the appeal to arms, which to them means merely an appeal to physical force, to its full length, without humanitarian scruples or moral restraint; and Miss Petre thinks that pacifists should welcome the fact, as tending so to disgust the world with war as to make its recurrence impossible. We are now, she says, enabled to judge war for what it is; we can decide, not on a false conception of it as "sporting" or "chivalrous," but realising its essential devilishness, whether it is or is not to be a lasting factor of international life. The issue, however, is not really so narrow as that; the appeal to arms does not really exclude moral force. Even when at war man is not a mere brute; in war, as in peace, his moral nature will assert itself, and it will, other things being equal, have the deciding voice. The one lesson we may learn from Germany is to do with our might whatever we find to do. Might is not right, but it is as potent on the side of right as on the other-more potent, indeed -if it is equal might. We have let Germany get ahead of us in what we regarded as the arts of peace; arts, however, which it is now clear she has long intended to use against us as instruments of war. She has taught us that only by following in all our activities her own thorough-going methods, by keeping abreast of her in research, in invention, in business of all kinds, can we assure, not our commercial supremacy alone, but our safety, our very existence as an independent people. It is her supremacy in chemical-manufactures that makes her now so formidable, a fact that ought especially to be laid to heart by everyone who calls himself a chemist. The recent speeches by Mr. Lloyd George in his capacity as Minister of Munitions have brought home to most people how near the truth were the allegations made against us by the Germans when the war broke out. It was stated that we were deficient in Kultur, which is an outstanding German national characteristic, and which properly means thoroughness in everything, leaving nothing to chance, and seeing well ahead. We know that this characteristic in its commercial application was ousting us from the markets of the world. Lloyd George hinted in one of his speeches that in two dccades or so we Britishers would have fallen before the avalanche of German enterprise. Chemists and the drug-trade are beginning to learn the lesson, but when they will profit by it is another matter. Nine months ago synthetics were the trouble. Last week it was Epsom salt, this week sodium hyposulphite. Who ever dreamt that very little of these was made in England; that the bulk of our supplies was imported, chiefly from Germany? And why? Not that the love for things made in Germany was any greater a year ago than it is to-day, but because as a nation we have been buying in the cheapest market, without inquiring too particularly into quality or thinking about what happens to the British industries. The consumption of Epsom salt and sodium hyposulphite is small in medicine and pharmacy

compared with what is used of them in the textile industries, and the bulk of the supplies of both of them has come from Germany because they were offered by agents of the makers at prices with which British makers could not compete. So far as the medicinal quality of Epsom salt is concerned, it almost goes without saying that "Howards' Epsoms" has always been a British-made article, and it has kept its hold on medicine and pharmacy in face of competition because of its reputation for quality. Sodium hyposulphite is a different story. This is the anti-chlor of bleachers and dyers; and at one time it was made abundantly in the alkali-works of the Mersey and the Tyne. Since German supplies have ceased we are importing from the United States. ought to be making it ourselves, and would be doing so still if users had been willing to pay the English price, as they have done for caustic soda, which is made in England as eheaply as it is done elsewhere; and this brings us back to the point of our national offence—the craze for cheapness and indifference to quality. are as obtrusive factors in our present position as are Kultur and seience in Germany's preparedness, and it is time for the drug-trade to look forward to a radical change from the easy-going methods of the past.

Distressed French Pharmacists.

Our Paris correspondent has on more than one occasion hinted that many pharmacists in the invaded parts of France have undergone great privations and losses owing to the bombardment of the towns in which they were in business. Mr. H. C. Chown (Roberts & Co., 5 Rue de la Paix, Paris), one of the best-known English pharmacists in France, informs us that the time has now come when pharmaeists in other countries, particularly the British Empire and the United States, might assist their French confrères, who have been working on the subject since October last. The position is well expressed in a circular which was issued on April 25 by the Association Générale des Syndicats Pharmaceutiques de France, Rue des Grands-Augustins 5, Paris, of which we append a translation:

Since the beginning of the war the Association Générale des Syndicats Pharmaceutiques de France has made it its duty to help as much as possible all pharmacist vietims of the war who have applied. Belgians or French, who either belong or do not belong to one of the Syndicates incorporated in the Association—all these colleagues have found in it an absolute moral support and when pacessary a material support and when pacessary a material support and when pacessary a material support as effections. these colleagues have found in it an absolute moral support, and, when necessary, a material support as efficacious as its modest means would permit. The hour has come to give to the pharmacists of the invaded districts a proof of more complete solidarity. No one can bring back the human lives sacrificed in such large numbers; it is not in our power to make the survivors forget the terrible moral sufferings they have endured; but, not having suffered the outrages of the enemy or the horrors of invasion, it is our duty to help the pharmaeists who have suffered for the good of all.

At the present time many hundreds of our colleagues.

At the present time many hundreds of our colleagues have lost their all. We do not know their number, but from to-day we may assume that this number will be increased when the enemy shall have been driven out of our country and out of Belgium. It must be feared that at that moment their criminal folly will induce them to commit now rayages, new massages and new crimes against mit new ravages, new massacres, and new crimcs against

persons and property.

While waiting the time when our enemics shall be forced to make amends for the enormous material losses for which they are responsible, each of us will hold out a which they are responsible, each of us will hold out a brotherly and succouring hand to the pharmacists whose present distress is only due to their being resident either in Belgium or in the North and East of France.

The Association Généralo des Syndicats Pharmaceutiques de France appeals to you on behalf of these colleagues. It asks you to contribute as much as possible to relieve

unmerited misfortunes; it implores you to confirm by an act of generosity as large as possible the sentiments of solidarity which must exist between members of the same profession. The majority of them have been obliged to abandon their officines, pillaged, ransacked, and sometimes burnt; others have been obliged to leave the country where burnt; others have been obliged to leave the country where they were established, and await with impatience the moment when they can return. It is indispensable that on the day when this shall be possible they may have a sum at their disposal sufficient to allow them to start work immediately. We rely upon your fraternal spirit, and we beg you to send as soon as possible your subscription to the Trésorier du Syndicat des Pharmaciens of your Department, or to M. Barruet, Trésorier de l'Association, Place de la Croix-Morin 4, Orléans. The funds collected will be distributed through a Commission composed of the Bureau de l'Association and of representatives authorised by the Departments which have been ravaged and of Belgium. Belgium.

We feel sure that although this statement was addressed to the pharmaeists of France, it is an appeal which will touch the heart and open the purse of many a British pharmaeist. Arrangements have not yet been made for any systematised canvass in this country, but we are in eommunication with Mr. Chown and hope to make a further statement next week. In the meantime we shall be glad if any pharmaeist specially interested in the matter will communicate with us.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

BANK-HOLIDAY ACT.

The Prime Minister informed Mr. G. Terrell, M.P., in the House of Commons on Monday that the Government does not propose to introduce legislation to suspend the Bank-holiday Act during the war for the purpose of obtaining greater output from the factories engaged in the production of munitions of war. The need of a reasonable holiday for workmen is of exceptional importance during the present period in order to avoid overstrain.

THE SUPPLY OF TRINITROTOLUOL.

In the House of Commons on Tuesday, Mr. H. W. Forster, Financial Secretary to the War Office, replying to Sir Richard Cooper, Bart., said that a great many offers of trinitrotoluol are constantly being received. The arrangements made for the production of the explosive are such as to secure an ample supply for our own use, and we are also able to assist our Allies. As to the question of price, he did not think it desirable to give the exact figure at which we are able to purchase, but it is substantially below

SALE OF SPIRITS.

In the House of Commons on Monday, June 7, Mr. Cowan asked the Prime Minister whether he will consider the desirability of taking steps to bring about the prohibition of spirits during the war.

The Prime Minister replied that the Government hope that the powers conferred by the Defence of the Realm (No. 3) Act and the Immature Spirits (Restriction) Act

will be adequate to meet the situation.

Sir J. D. Rees: Is the right hon, gentleman aware that the severe administration of the Immature Spirits Act has already brought great dissatisfaction?

The Prime Minister: No, sir.

MEDICAL OBJECTION TO THE DRUG GRANT.—The Insurance Act Committee of the British Medical Association has received an official reply to the protest made against the special grant to chemists in discounted areas (C. & D., April 24, p. 114). The reply states that Mr. Montagu was satisfied that the proposed application of the moneys contained in the special fund application of the moneys contained in the special fund application of the moneys contained in the special fund application of the moneys contained in the special fund application of the moneys contained in the special fund application of the moneys contained in the special fund application of the moneys contained in the special fund application of the moneys contained in the special fund application of the money contained in the special fund application of the money contained in the special tained in the special fund could not be regarded as outside the intentions of Parliament in voting those grants. The Committee decided to address a further communication to Mr. Montagu as to the correctness of the statement in his communication that the 1913-14 grants were for contributing "towards the cost of drugs where epidemics or other abnormal conditions have caused an excessive demand upon the funds available for this purpose," in view of the fact that in the 1915-16 Civil Service Estimates in the note relating to the same grant the word "sickness" occurred between the words "abnormal" and "eonditions."

General Medical Council.

Our report of the spring session of the Council held in London last week stopped at Thursday's proceedings, with the acceptance of the Education Committee's report on the Pharmaceutical Society's letter regarding pharmacists' qualifications for the medical curriculum being accepted pro tanto (C. & D., June 5, p. 46). The Council declined to take action in the matter, and stated that it is one for licensing bodies to consider. We now continue our report on the proceedings, which were concluded on Friday, June 4. Sir Donald MacAlister, M.D., K.C.B., President of the Council, was in the chair all the time.

PUTTING THE HALL IN ORDER.

The one motion which appeared on the programme this session had been postponed from last November, and was

"That it appears to the General Council that the course of study and examinations to be gone through in order to obtain the qualification of Licentiate of the Apothecaries' Hall of Ireland are not such as to secure the possession by persons obtaining that qualification of the requisite knowledge and skill for the efficient practice of their profession." The motion was brought up by Dr. Ball, Chairman of the Examination Committee, who traced the history of examinations and inspections at the Apothecaries' Hall since 1884 as set forth in the Committee's report. The conclusion he arrived at was that practically none of the medical students sought to enter the profession through the portals of the Hall; most of them had been rejected elsewhere—one, indeed, had been rejected twenty times before he found shelter as L.A.H. Mr. Verrall seconded the motion for the adoption of the report, observing that even if the Council were prepared to continue the supervision of the examinations there is no proof that the latter provides such a test as the Council is bound to see given. A long debate ensued as to what effect should be given to the motion, and whether it should be sent to the Privy Council or to the Apothecaries' Hall. Dr. Magennis, who fought single-handed for the Hall, moved as an amendment that the motion be postponed, as he had seen it only that morning. Dr. Norman Moore, however, asserted that complaints had been made for the last ten years. Dr. Little said not for ten but twenty years, and Sir John Moore declared that the Hall is damaging the standard of medical education in Ireland. Even Dr. Caton put in his testimony that after the evidence given year after year he was forced into the conviction that the body in question is not adding to the

medical skill of the country. The amendment was lost.

Dr. Norman Moore thought they would be very wrong in sending the resolution to the Privy Council. The object of it was purely to give the Apothecaries' Hall the power of showing that they deserve to be trusted, and afford them a final opportunity of putting their house in order.

Sir Henry Morris hoped that some practical effect would follow. The Hall might reasonably look for some instruction as to how they might remedy their deficiencies. Dr. Magennis declared that the body would be only too glad of any advice or suggestion that the Council offered; he would guarantee that it would be drastically carried out. The President said, however, that the duty of the Council was to pass judgment, not to instruct. The Apothecaries' Hall is a self-governing body, and the Council could not attempt to act as nurse, tutor, and guide. It was finally agreed, with but five dissentients, to send the resolution to the Hall.

PHARMACOPŒIA COMMITTEE.

The report of this Committee, brought up by the President, was as follows:

Up to the end of the year 1914 the total sales of the British Pharmacopeia (1898) amounted to 46,535 copies, and those of the Indian and Colonial Addendum amounted to

4,529 copies.

The British Pharmacopœia (1914) was issued in pursuance of the Council's instructions on December 31, 1914. Up to May 29, 1915, the number of copies sold amounted to 17,239. As the first issue of 20,000 copies is thus nearly exhausted, a second issue of 10,000 copies has been prepared

and will shortly be ready for distribution. The opportunity has been taken to amend the typographical faults which were noted in a slip attached to the first issue, together with a few others of minor importance. The only alteration in the text which calls for notice is that referring to the specific gravity of guaiacol. This should read "1.116 to 1.140."

The Government of India has intimated that no special edition of the Pharmacopæia for use in that country will on this occasion be required.

The Belgian Government has courteously undertaken to-inform foreign Governments, who were parties to the International Agreement of 1906, of the publication of the British Pharmacopæia (1914) and of the manner in which effect has been given therein to the recommendations the Agreement contained.

The Finance Committee have furnished figures relating to the expenditure on the Pharmacopeia of 1914, as compared with that on the Pharmacopeia of 1898, which show that a saving of about 2,205l. has been effected in the case of the former. A large proportion of the saving is due to the advantageous arrangements made with the printers and publishers, and to economy in the expenses of

the Committee.

the Committee.

The Committee have received with regret the resignation of their Secretary, Dr. Tirard. He has held the office for twenty years, and during that time has seen through the press the Pharmacopæia of 1898, and has acted as Senior Editor of the Pharmacopæia of 1914. His services to the Committee have been many and valuable, and have been rendered in a manner which won for him their constant esteem. His important duties as Commanding Officer of the 4th London General Hospital occupy his time so fully that he is now constrained to limit his other engagements. ments.

The Committee, in accepting Dr. Tirard's resignation, conveyed to him an expression of their high appreciation. They suggest that the President should be authorised to express to him, in the name of the General Council also, its grateful acknowledgments of his able work on its behalf.

The Council authorised the President to convey to Dr. Tirard its sense of the very valuable services which he had rendered in the course of the last twenty years as Secretary of the Pharmacopæia Committee and Editor of the British Pharmacopæia.

PENAL BUSINESS.

The case of A. B. Kramer, M.R.C.S., L.R.C.P., accused by Dr. Stokes of having canvassed for panel patients, was resumed on Friday, when a telegram was read from Mr. Kramer regretting his total inability to attend, and saying that if the case was further postponed all accusations would be fully answered. No medical certificate was offered. An urgent message was sent to tell him that the case was proceeding. The messenger returned with the final answer that Mr. Kramer had left his lodgings with a woman and a bag. The Council devoted sometime to the processing the most of th time to a conscientious investigation of the matter not-withstanding, and ultimately Mr. Kramer's name was directed to be removed from the Medical Register.

THE REMAINDER OF THE BUSINESS of the session was soon disposed of, the Council rising at 2 p.m. on Friday. The recommendations in the report of the Dental Committee that the degrees of B.D.S. and M.D.S. of the National University of Ireland, and the B.D.S. of Melbourne, already recognised, be admitted to the Dentists Register, were approved, as was also the recommendation that the application from the University of Illinois for recognition of its college and degree of dentist be not acceded to. With regard to the alleged deficiency of qualified dentists, which the Dental Committee have had under consideration at the request of the Council, the report stated that sufficient answers have not yet been obtained to enable them to make any recommendation. The answers so far are unanimous on the point that the weakness of the existing law is the chief factor m deterring students from entering the dental profession.
The latter remark was deleted from the report, the Council considering that it opened up a side-issue which was far-reaching. Dr. Magennis urged that the Council should publish some warning notice to the public as to who are qualified dentists and who are not, as many people do not appreciate the difference between dental This was, however, consurgery and dental surgeon. This was, however, considered irrelevant. The vote of thanks of the Council

to the President as chairman was carried with applause. The appointment of Major Norman King as Registrar to the end of the session was moved amid acclamation on Thursday. As the gallant officer appeared in khaki on Friday, it may be assumed that he is returning to his military duties.

THE APOTHECARIES' REPLY.

Alderman Dr. McWalter, Governor of the Apothecaries' Hall, in an interview published in the "Freeman's Journal," Dublin, said regarding the Council's decision: "We look upon it all as largely due to English jealousy. We are entitled to examine in all medical subjects—medicine, surgery, midwifery, pharmacy—and we are reeognised under the Medical Act. As far as licensing in medicine goes, we have as much authority as any English University. The Medical Council possess powers of supervision over the examinations of every University and every licensing body, and can report on them to the Privy Council. Somehow or other there are persons at the other side of the water who and can report on them to the Privy Council. Somehow or other there are persons at the other side of the water who will not forget that our Charter dates from 1791, and that it was granted by the Irish Parliament. The Medical Act of 1858 recognises our diplomas in the three Kingdoms and all over the British Empire, and this, apparently, has not yet been forgiven us. Hence the renewal of the agitation. We will appeal to the Privy Council again, and we will claim that none of the English Colleges possess so many favourable reports as we have to show. Of course, the Privy Council, if they think that the charge is well founded, can revoke the privileges granted us by the Acts of Parliament—at least, as far as England is concerned. We are ready, however, to be judged on the reports of the Medical Council's own inspectors; būt it is very unfair to the holders of the licences of the Apothe-caries' Hall—men who were earning their livelihoods all over England, Seotland, and Wales, with numbers in Aus-tralia, South Africa, etc.—that they should be brought faco to face with difficulties such as the proceedings at the Medical Council must create."

Chemical Society.

A MEETING was held in Burlington House, London, W., on Thursday, June 3, at 8.30 p.m., the President, Dr. Alexander Scott, in the chair. He announced the loss which the Society had sustained through the death of two very old members, Hugo Müller and Arthur Church, the latter of whom was elected in 1856. The first paper was by Mr. H. Hollings and Professor J. W. Cobb, on

THERMAL STUDY OF THE CARBONISATION PROCESS.

The authors state that both exothermic and endothermic changes occur when coal or other carbonaceous matter is subjected to a high temperature. These changes occur at subjected to a high temperature. These changes occur at different temperatures, and the same type of reaction occurs at the same temperature with different coals, the difference being largely one of degree. Below 800° C. the change is chiefly exothermic, and is due to the production of methane. Above 800° C. the main feature of the distillation is the production of hydrogen, this being either endothermic or accompanied by no heat-changes. Heat-changes occurring at low temperatures are connected with a high oxygencontent of the coal. content of the coal.

Dr. T. M. Lowry read a paper by himself and Mr. R. G.

PROPERTIES OF COLD-WORKED METALS.

He stated that all metals become hardened by cold working, and this effect is not reversible like the hardening of ing, and this effect is not reversible like the hardening of iron. By working the crystalline form breaks down and an amorphous condition is induced. The hardening effect so produced may be removed by heating the metal. Such an annealed metal becomes again crystalline. Besides this chango it is possible that allotropy may have some effect, in that a different form of the metal may be induced by the working. A constant accompaniment of this hardening is that a different form of the metal may be induced by the working. A constant accompaniment of this hardening is a decrease in density. The authors have selected as an extreme form of cold working the reduction of the metal to filings. A curious point was brought out by the author stating that by heating a silver-tin alloy to 100° C. it can be made to take up twice as much mercury as the unheated alloy.

Messrs. E. C. C. Baly and F. G. Tryhorn communicated some interesting experiments on the relation between the absorption-spectra in ultra-violet and infra-red light; and Messrs. S. Jacobson and B. Ghosh described the method of

synthesising benzo-7 pyrones and flavones.

Society of Public Analysts.

MR. A. CHASTON CHAPMAN presided at the meeting im-Burlington House, London, W., on June 2, when Messrs. Edward Theodore Brewis, William MacDonnell MacKay, and Percival John Fryer were elected members of the-Society. The following papers were read:

"The Estimation of Starch in Cocoa by the Use of Taká Diastase," by Cecil Revis and H. R. Burnett. [Theauthors find that taká diastase is the only reliable means of estimation.]

authors into that taka diascase is the only reliable means of estimation.]

"The Volumetric Estimation of Ferrocyanides," by Betram Campbell, B.Sc., A.I.C.

"Corean Beeswax," by Seiichi Ueno.

"Detection of β-Naphthol in Lysol and Similar Compounds," by Richard Bodmer, F.I.C.

"The Composition of Dutch Cheese," by J. J. L. van Bern Bh.D.

Ryn, Ph.D. Corean Beeswax .- Mr. Ueno pointed out in his paper that beeswax was produced in Corea in considerable quantities at a comparatively early period, and he gave statistics of the quantities produced in various provinces during 1912, as well as a table of analytical constants for samples of pure Corean beeswax which were exhibited at the Taisho-Exhibition, Tokyo, last year. The characteristics of Corean and Japanese beeswaxes are similar to each other, and they also resemble certain Indian beeswaxes referred to in Lewkowitsch's "Oils, Fats, and Waxes" (5th ed., vol. 2, 1914). The Oriental beeswaxes secreted by the three species of bees mentioned in the paper are different in their character from European and American beeswaxes, which are secreted by Apis mellifica, L.

Beta-Naphthol in Disinfectants.—Mr. Bodmer found that Richmond's solution of a diazotised benzidine for detecting beta-naphthol in milk serves the same purpose for lysoll and similar cresylic-acid preparations. A 1-per-cent. solution of lysol, free from beta-naphthol, gives, with a few drops of the benzidine reagent, an orange coloration. On adding as little as 0.2 per cent. of beta-naphthol to the same lysol and taking a 1-per-cent. solution, a distinct rubyas well as a table of analytical constants for samples of

on adding as fittle as 5.2 per cent. solution, a distinct ruby-red coloration is produced (easily distinguishable from the-orange solution of the pure lysol) on the addition of a few phenylhydrazine is not so sensitive, nor is sodium nitriteand sulphuric-acid solution.

Wills.

Mr. Sydney Gross, Gloucester House, Piccadilly, London, W., lately a director of Lever Bros., Ltd., Port Sunlight, who died on April 19, left estate of the gross value of 104,342*l*. 6s. 10*d*., of which the net personalty has been sworn at 104,231*l*. 7s. 7d.

Mr. George Knights Rayson, chemist and druggist, Lowestoft, who died on April 4, left estate of the gross-value of 1,286*l.*, with net personalty 599*l.* Probate of his will has been granted to his widow, Mrs. Mary Ann Rayson,

and Mr. Henry Rix, Somerleyton.

Mr. William Paine, retired chemist, Fernlea, Belsize Road, Worthing, who died on April 4, left estate valued at 11,515 7s. 9d. gross, with net personalty 8,928l. 1s. 10d. Probate of his will has been granted to the Public Trustee, the sole executor. The property is left to his two daughters, their husbands and issue.

Mr. Andrew Walker, Merstham House, Merstham, joint MR. ANDREW WALKER, Merstham House, Merstham, joint managing director of Bovril, Ltd., who died on April 9, left estate of the gross value of 76,9161. 16s. 9d., of which 76,8431. 10s. 9d. is net personalty. Probate of his will has been granted to his sons, Mr. Andrew Gordon Walker and Mr. Douglas Walker. The testator left 1,0001. and his household and personal effects, etc., to his wife, and the residue of his estate he left upon trust for his wife for life with remainder to his children in equal shares.

Mr. David Alexander Louis Fig. Fig. 2. 2.3 Pall

MR. DAVID ALEXANDER LOUIS, F.I.C., F.C.S., 123 Pall Mall, London. S.W., mining chemist, who died on March 25, left estate valued for probate at 8,0861. 8s., of which thenet personalty has been sworn at 6,9601. 19s. 8d. Probate has been granted to his brother, Mr. L. A. Louis, and Mr. R. H. Humphreys. The testator bequeaths his collection of articles brought from Saghalien to the British Museum and four water-colour drawings to the London Museum. Bequests are made to a newspaper boy and two street vendors, to scrvants, friends, and to various public bodiesfor the purpose of providing holiday funds for respectable persons in reduced circumstances.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts,

Insurance Dispensers' Notes.

DRUG FUND PAYMENTS.

Broadly, payments from the Drug Fund to chemists are made up to within 10 per cent. of the full sum available for the period. This sum can only be an estimated amount, the basis of calculation for 1915 being as follows: Take the count of cards in the index register of the Committee, deduct estimated enlistment rate and inflation, and multiply result by 2s. (I ignore the $\frac{1}{2}d$. of this which may be paid to Pharmaceutical Committees). The Commissioners have sanctioned payments to doctors and chemists at the rate of 72l. per quarter per 1,000 insured persons. This appears to be arrived at by assuming 20 per cent. of insured persons to have joined the Forces and 10 per cent. to represent inflation—i.e., persons who have ceased to be insured, but whose cards for various reasons still remain in the register. Whether this estimate ultimately proves to be correct or not, the immediate result is that the Medical Benefit Fund is reduced, consequently the Drug Fund is also reduced. Apart from the fact that the best lives have naturally gone off Insurance panels, no disadvantage is suffered either by the doctor or the chemist, as payment must be made in respect of every person who remains insured under the Act. The regulations provide that so far as payments to chemists are concerned, the Pharmaceutical Committee shall be consulted, ergo this body is entitled to information as to number of insured persons in its own area. Whether Pharmaeeutical Com-mittees do their duty in this respect is a matter between the individual chemist and his representatives. The proposed method for the settlement of accounts for 1914 issued by the Welsh and English Commissioners will receive favourable consideration by chemists. It is proposed to assume a rate of enlistment less than that given above. The Drug rate of enlistment less than that given above. Fund will therefore be credited with a larger sum than what actually represents contributions by insured persons. Only chemists in discounted areas will be affected by the proposition, and even these may accept or reject the terms position, and even these may accept or reject the terms of settlement; only in the latter event they will have to wait some time for the balance of their accounts. A point worthy of note in the memorandum (I.C. 44/1915, see C. & D., June 5. p. 53) is that no pooling arrangement is embodied. It evidently contemplates ascertaining the actual numbers who have injured the Ferrenci is each trace. numbers who have joined the Forces in each area. Hence a final adjustment is to be made to each Committee to correct credits by the average and the actual rates of enlistment.—Clericus.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND. Inquiries about Panel Practitioners.

The decisions of the Commissioners in respect of inquiries regarding representations by various Insurance Committees as to the continuance on the panel of certain medical practitioners have now been issued. Reports of the proceedings appeared in the C. & D. at the time of the inquiries.

In respect of the representations by the East Sussex Insurance Committee with regard to Dr. John Joseph Johnson, Hove (C. & D., February 20, p. 55), the Commissioners are satisfied that the continuance of the practitioner on the medical list for the area concerned would be prejudicial to the efficiency of the medical service of insured persons, and have directed that his name should be removed from the list.

Regarding the representations by the London Insurance Committee with respect to Dr. Michael Beauchamp Dooley, Lambeth, S.E. (C. & D., April 17, p. 47), the Commissioners have come to a similar decision, and have ordered the removal of Dr. Dooley's name from the panel.

As a result of the representations by the London Insurance Committee with respect to Dr. J. S. B. Vakil (C. & D., March 13, p. 104), and by the Hampshire Insurance Committee with respect to Dr. J. S. B. Vakil (C. & D.,

As a result of the representations by the London Insurance Committee with respect to Dr. J. S. B. Vakil (C. & D., March 13, p. 104), and by the Hampshire Insurance Committee with respect to Dr. Henry Lewis Grant (C. & D., January 30, p. 169), the Commissioners decided that no action should be taken in either case.

Berkshire.—The Local Medical Committee has lecided that each practitioner on the panel shall be entitled to order emergency dressings as required to the value of 11. per annum.

Birmingham.-The Pharmaeeutical Committee met on May 31, adjourning until June 4, when it was reported that the amount transferred from the Sanatorium Benefit Fund to the Drug Fund on account of domiciliary prescriptions for 1914 is 3141. 7s. 8d. The anomaly involved in the prices of tablets of phenaeetin and aeetylsalicylic acid remaining at 3d. per dozen while the prices of the drugs themselves have increased by several hundreds per cent. was discussed, and it was decided to request the Pharmaceutical Society to endeavour to secure more reasonable payment for these. The Committee also instructed the Secretary to convey to the Society the Committee's appreciation of the successful efforts of the Society's representatives in safeguarding chemists' interests during the recent "spirit-duty" legislation.—A meeting of the representatives of panel chemists and firms was held at the Grand Hotel panel chemists and firms was held at the Grand Hotel on Wednesday, June 9, Mr. Chas. Thompson presiding. The Secretary (Mr. F. Smith) presented the annual report, which dealt fully with the Committee's work on such questions as "aqua," the Birmingham Health Insur-ance Pharmacopeia, the increased payment to the Drug Fund from the Sanatorium Benefit Fund (2681, instead of 1781.), two complaints against doctors recommending particular ehemists, excessive prescribing cases, and checking and scrutinising prescriptions by the Insurance Committee.
The accounts aecompanying the report showed that the expenditure in 1914 amounted to 231L, and from January 1 to May 31, 1915, to 104L. In moving the adoption of the report, the Chairman said the amount of excessive prethe reduction of this to 305/. showed that Article 40 of the Medical Benefit Regulations is little else than a farce. Birmingham Pharmacopæia had done some good in bringing the accounts within reasonable bounds. The motion was seconded by Mr. Metcalfe, who asked whether there was any reasonable prospect of getting even the 305t, mentioned. In reply, Mr. F. Barlow said this would depend upon the result of a test case shortly to be tried in London, The report was adopted. The suggested emergency settlement for 1914 was discussed, and Mr. Tranmer pointed out that Birmingham is likely to be more favourably situated than many other places, inasmuch as the percentage of enlistment is not so great as in centres where no munitions are manufactured. The Chairman suggested that action should be suspended until further information is fortheoming, and this course was agreed to. The following were eoming, and this course was agreed to. The following were nominated as members of the Pharmaceutical Committee for the ensuing twelve months: Messrs. F. Barlow, H. Buckingham, H. Critchlow, W. Izon, H. O. Llovd, J. Poole, F. H. Prosser, C. Thompson, J. Wakefield, W. H. Whittock, B. C. Heath, and C. T. Thonger, the two last-named as representatives of electors not entitled to dispense. The Chairman commended the work done by Councillor Jeffrey Poole and Mr. Barlow as representatives on the Insurance Committee, and also guidelied the services of the Secretary. Committee, and also eulogised the services of the Secretary, mentioning that Mr. Woolcock described the annual report as an excellent record of good work. On the motion of Mr. Smallwood, seconded by Mr. Myer, a vote of thanks was passed to the members of the retiring Committee.

was passed to the members of the retiring Committee.

Bournemouth.—A report recently presented to the Insurance Committee indicates that during the medical year 1914 63,590 prescriptions (value, as checked, 2,246.) had been dispensed; of these, 17 per cent. were "Rep. mist." orders. The Drug Fund for the year is estimated at 2.177. In 1913 62,949 prescriptions (value 2,015.) were dispensed. The average cost per prescription for 1914 was 8.5d., compared with 7.68d. in 1913. During 1914 chemists had been paid 1,846.—85 per cent. of the amount estimated to be available and about 82 per cent. of the amount of the accounts. The Clerk recommended that no further advances in respect of 1914 be made until the provisional credits are received from the Commissioners. The cheeking of accounts had cost 26l. 16s., and it appeared that a joint checking scheme, including a simplified scrutiny, would be more satisfactory than the present system, but before such a scheme could be satisfactory the use of "Rep. mist." must be discontinued. Thirty-three forms relating to war-scheduled drugs supplied in 1914 had been forwarded to the Commissioners. The Panel and Pharmaeeutical Joint Committee recommended:

(a) That in future any prescriptions not signed or initialled by the doctor be returned to the prescriber; (b) that any prescription which does not bear at least the surname, initials, and address of the patient be also returned to the prescriber; (c) that any prescription which bears marks beyond the prices, not in the writing of the prescriber will be liable to be disallowed. The Sub-Committee also sug-

gested that the Clerk be instructed to formulate a comprehensive scheme of joint pricing, including a simplified scrutiny, by a representative Joint Committee. Replying to Dr. Bart, the Clerk stated that in 1913 1s. $10\frac{1}{2}d$. out of the 2s. allowed for drugs and appliances had been spent. According to the estimate, it seemed likely that for 1914 the 2s. limit would be exceeded. On the recommendation of the Finance Sub-Committee it was resolved to apply to the Commissioners for an advance of 2,000?

Bristol.—At a meeting of the Insurance Committee on June 7, the Medical Benefit Sub-Committee reported that, in the course of checking the chemists' accounts, a number of errors, and in some cases a certain amount of carelessness in pricing, had been discovered. The Sub-Committee had carefully considered the matter, and had been much assisted by the Pharmaceutical Service Sub-Committee, who had interviewed four chemists and had communicated with others. In a number of cases, the report stated, the quantity or strength actually dispensed could not be stated. The Sub-Committee recommended, and the Committee agreed, that all contractors for the supply of drugs should be warned that the greatest care must be taken in future not only in pricing, but also in dispensing.

Bury.—The Insurance Committee on June 1 concurred in an application by the Pharmaceutical Committee that Easter Monday and Whit-Monday be added to the list of days to which the special arrangements for the partial opening of chemists' shops should apply. The Medical Benefit Sub-Committee reported that the Pharmaceutical Committee had disallowed, for payment out of the Drug Fund, a prescription for a cylinder of oxygen included in the accounts for the fourth quarter of 1914. The Clerk read a letter from the Commissioners regarding this, in which it was stated that the question whether any substance ordered for a patient receiving treatment is a medicine within the meaning of Act is one for determination, in the first instance, by the Insurance Committee. The Sub-Committee recommended that the cost of the prescription in question be carried to the credit of the chemist from whose account it had been deducted, and to this the Committee agreed.

Devonshire.—The Insurance Committee met on June 7, when the Finance and Establishment Sub-Committee reported on the Commissioners' views as to the distribution of the Medical Benefit Funds—viz., that advances to doctors and chemists should not exceed 721, per 1,000 persons upon the index registers. Mr. P. F. Rowsell, speaking from the pharmaceutical point of view, explained that for the first four months of 1915 chemists' bills are only 1021, less than for the same period of 1914, and there is a 20-per-cent reduction in the Medical Benefit credits. With the greatly increased prices of drugs, it is absolutely necessary to take into consideration the abnormal condition of affairs, and that the Treasury should make some further grant towards the Medical Benefit Funds. Members would clearly see that if 2s. was just enough to pay for drugs in 1914, it would not be sufficient this year, with the increased prices. In presenting the report of the Sanatorium and Medical Benefit Sub-Committee, Mr. Rowsell (Chairman of the Sub-Committee) said that the figures showed that the Committee are overtaking tuberculosis in the county slowly, but surely. There was a decrease of something like seven applications per month in the numbers desiring Sanatorium treatment. The Sub-Committee endorsed the resolution circulated by the Cambridgeshire Insurance Committee urging the Government to onsider the desirability of making a special war-grant to meet the present abnormal circumstances (C. & D., June 5, p. 53). The reports were adopted.

Thursday, June 3, it was reported that the Panel Committee concurred in what the Committee had done regarding a panel chemist complained about. As another chemist is opening at Dovercourt it was decided to hold over any further action for the present with regard to a panel doctor dispensing in that district, and a complaint by Mr. Jordan was referred to the Secretary to investigate and report. The following motion by Mr. England was adopted and directed to be forwarded to the Commissioners and the Local Associations Executive Committee: "That this Committee view with alarm the increased cost of drugs and respectfully ask some alleviation of the burden thrown on the notice of the County Insurance Committee. The Medical Benefit Sub-Committee having forwarded a complaint against a chemist for supplying more than ordered by the doctor, it was decided to direct that the difference be deducted from his account. In view of the publication of a N.H.I. Pharmacopeia for Essex, it was felt that the

time had arrived when a firm stand should be taken upon "Rep. mist." prescriptions, and it was resolved to ask the Panel Committee to declare entirely against such prescriptions and to authorise chemists to return them to the doctor.

Hampshire. -The Insurance Committee met on June 7, when the Sanatorium Benefit Sub-Committee reported that they had received and considered letters from the Pharmaceutical Committee and the District Committees relating to the new receipt-forms to be obtained by the tradesmen from patients in receipt of domiciliary treatment, and had directed the Clerk to reply that the Committee consider that some form of receipt is necessary, and that the new system should be given a fair trial, but that any representations that might be made would be considered. The Finance Sub-Committee reported that they had agreed to pay to chemists the amounts of their February accounts as The Prescription-checking Sub-Committee ported that the Pharmaceutical Committee had agreed to an increase in the salary of the checker, and had placed on record their appreciation of the manner in which he had carried out his duties. In this Dr. Williams-Freeman on behalf of the Panel Committee, concurred. The Committee agreed to the recommendation of the Finance Committee that the checker cheuld be included in the regular mittee that the checker should be included in the regular staff of the Committee, and that he should participate in the general increase of salary. The Medical Benefit Sub-Committee reported that they had agreed that salvarsan should be supplied to an insured person, on the recommendation of the Checking Sub-Committee, on the understanding that no precedent is established. The latter Sub-Committee also reported that they had considered the pre-scription-checker's report for 1914, and, after discussion, it was decided to forward to the Panel Committee a con-fidential list of doctors whose prescribing was abnormal, together with the following notes on prescribing: (a) That not more than a fortnight's supply of medicine be great into the supply of medicine beginning to the supply of medicine beginning to the supply of medicine beginning to the supply of one time: (b) that the quantity of medicines and dressings to be supplied should be filled in by the doctor; and (c) that not more than 12 oz. of cod-liver oil or petroleum emulsion, or more than 2 lb. of malt and oil or malt extract, be supplied at one time. Attention was called to the fact that panel practitioners had given prescriptions to patients for whom they (the practitioners) are receiving capitationfees. It was decided to claim the necessary repayments from the practitioners concerned. The General Purposes Sub-Committee submitted a scheme for the constitution of Sub-Committees for the coming year. The Finance and General Purposes Committees have been combined, and a seat on the combined Sub-Committee had been given to the chemists. An amendment to increase the membership of the Sanatorium Benefit Sub-Committee from sixteen to twenty was carried, and one of the additional seats was given to the chemists, who will now be represented on the Medical Benefit, Sanatorium Benefit, and the Finance and General Purposes Sub-Committees. It was agreed that a record of the possible and actual attendances of members at the general and Sub-Committee meetings during the past year should be issued with the notices for the first general meeting to be held after July 15 in each year.

Hertfordshire.—The report of the Pharmaceutical Committee (July 1914 to July 1915) states that on the outbreak of war the Committee discussed the best means of husbanding supplies of drugs and dressings, and all pharmacists in the area were circularised and panel practitioners were asked to abstain from ordering excessive quantities of anything that would cause a drain on the limited supplies. The Insurance and Panel Committees were unable to join with the Committee in a scheme for the checking and scrutiny of the 1914 prescriptions, as suggested by the Commissioners, and as originally proposed by the Committee in March 1914. The work was undertaken by certain members of the Committee. Owing to delay in obtaining the prescriptions from the Insurance Committee, the complete report for 1914 is not yet ready. Mr. E. J. George, Walsall, has been appointed to undertake the work for 1915, and it is anticipated that the reports will be available more promptly so that a more efficient check can be kept on excessive prescribing and "frequency." The Committee did not approve of the 1915 Tariff, and have not since approved of it. In the opinion of the Committee it was desirable that the 1914 Tariff should have been retained and that the list of special war-scheduled drugs should have been extended and added to from time to time. Representations to this effect, however, did not meet with favour from the Insurance and Panel Committees. Representatives of the Committee and of the Panel Committee met in the early part of the year to discuss the "stock-mixture" question, and as a reult the "stock-mixture" clause has been allowed to lie dormant for the current year. The Committee was

unable to agree to the proposal of the Panel Committee to introduce a County Pharmacopæia, as the Pharmaceutical Society and the British Medical Association were discussing the matter. The Committee could not see its way to discuss local action until both parties had received advice from their respective headquarters. New regulations regarding the use of "Rep. mist." came into operation on May 1. The Committee, while regretting that the use of "Rep. mist." could not have been abolished, regard the regulation referred to as a step in the right direction. The statement of accounts indicates that the expenditure for the six months ended December 1914 amounted to 401. 18s. 11d., and for the six months ending July 1915 331. 13s. 4d. The following particulars regarding cost of drugs for the medical years 1913 and 1914 are appended to the report:

	1913		1914		
Quarter	No. of Prescrip- tions	Chemists' Claims	No. of Prescrip- tions	Chemists' Claims	
First Second Third Fourth	47,196 38,942 33,757 43,150	£ 1,248 1,180 1,063 1,423	57,834 44,385 35,921 33,587	£ 1,897 1,472 1,133 1,066	

These figures exclude claims in respect of special warscheduled drugs supplied in 1914. Doctors' claims for 1913 amounted to 6l. 11s. 6½d. and for the first three quarters of 1914 to 4l. Claims for emergency drugs supplied in 1914 totalled 5l. 3s. 11½d., and forty-eight prescriptions for temporary residents (value 1l. 15s. 6d.) were dispensed in the same year.

Huil.—The Insurance Committee on June 2 decided to pay to chemists 75 per cent. of the amounts of their accounts.

—The Pharmaceutical Service Sub-Committee on June 4 investigated a complaint by an insured person against a firm of dispensing contractors regarding the quality of an ointment supplied to her. Evidence was given by the insured person, her panel practitioner, and a representative of the firm of chemists. The Sub-Committee found that the evidence failed to establish that the ointment was not of good quality when supplied, and decided to recommend that no further action be taken.

Middlesex.—The monthly meeting of the Insurance Committee was held on June 7, Mr. W. S. Glyn-Jones, M.P., in the chair. The Medical Benefit Sub-Committee reported that payments to chemists from the Medical Benefit Fund for the medical year 1914 amounted to 1,770%. The same Sub-Committee reported consideration of the Commissioners' circular relating to an emergency settlement in respect of chemists' accounts for 1914 and certain ex gratia payments in respect of discounted accounts for 1913 and 1914, and that the information as to payments to chemists requested by the Commissioners had been forwarded to them. The action of the Sub-Committee was confirmed. The Joint Checking Sub-Committee reported that the prescriptions had been checked to March 31, and analyses for January and February had been supplied, along with a detailed report of the prescribing of twenty-four doctors whose prescriptions for January averaged over 10d. each. The Sub-Committee recommended, in view of this, that the checking should meantime be continued, and to this the Committee agreed.

Plymouth. - A joint Panel and Association meeting was held on June 3. A letter was read from Mr. A. J. Ancliffe, of Stoke, expressing a desire to retire from the position he has held for the past three years on the local Insurance Committee. It was resolved to ask Mr. Ancliffe to reconeider the matter in view of the important questions pending, in connection with which his experience would be of the greatest value to pharmacists on the panel. It was decided to call a meeting of the Trade Section for June 10 to consider the prices of drugs under war conditions, including spirituous preparations, and to recommend that the Committee of the Trade Section increase the sum voted by the Association to 51. 5s. towards the expenses of opposing the Plymouth Water Bill in the House of Lords. It was recommended that the sum of 50% from administration expenses be voted by the Pharmaceutical Committee towards the expenses of checking prescriptions. It was decided to urge the Clerk to the Insurance Committee to put the checking of the 1914 scrips in hand. It was resolved also to call the attention of the Local Associations Executive Committee to the urgency and importance of at once laying before the Insurance Commission and the Government the inadequacy of the present funds to meet the liabilities now accumulating. Comments were freely made as to anomalies in the ing. C

warwickshire.—The Panel Committee at a recent meeting considered a complaint from the Pharmaceutical Committee that a practitioner had supplied medicine gratis to his panel patients instead of giving a prescription in the usual way. The practitioner had stated that he frequently dispensed for his patients, because (a) it saves time, (b) there is no need to consult a drug list, and (c) patients like it. It was pointed out that his action might be considered a breach of the agreement with the Insurance Committee to order medicines on the proper form, and might create a false impression as to the value of panel practice. The Committee, therefore, requested the Chairman to communicate with the practitioner again. The Committee approved of the estimates of the Pharmaceutical Committee for administrative expenses for 1915 (1001., including part salary of prescription-checker, 251.; Secretary's salary, including clerical assistance, office, telephone, etc., 501.)

Worcestershire.—The Pharmaceutical Committee presented to the Insurance Committee, on May 29, a memorandum drawing attention to the increased cost of certain drugs, and inquiring what steps the Commissioners are taking to meet the increased demand on the Drug Fund. The Committee decided to send the memorandum to the Commissioners. [For West Riding see Col. Supp.]

SCOTLAND.

Berwickshire.—The Insurance Committee, on May 29, considered a complaint by Mr. C. Hounam, chemist, Duns, to the effect that Dr. McKenzie, Duns, had "consistently directed or induced his panel patients to go to a particular chemist." It was reported that from Dr. Campbell's panel 1,148 prescriptions went to Mr. Gunn, chemist, and 865 to Mr. Hounam; from Dr. McWait's panel 956 to Mr. Gunn and 596 to Mr. Hounam; and from Dr. McKenzie 464 to Mr. Gunn and 16 to Mr. Hounam. The Committee found the complaint "fully established," and recommended that Dr. McKenzie be informed that in the opinion of the Committee this is contrary to the spirit of the Act, which allows patients liberty of choice of chemist, and requested that the practice be discontinued without delay.

Fife.—The Insurance Committee issued on June 4 a card to panel doctors and chemists giving instructions as to prescribing and dispensing medicines. It states that expensive proprietary articles must not be prescribed, and lists of chemicals and preparations are given with equivalents. The chemicals are: "Antifebrin," "Antipyrin," "Aristol," "Aspirin," "Salacetin," "Acetysal," "Betol," "Chinosol," "Chloralamid," "Chloretone," "Creosotal," "Dermatol," "Dionin," "Diuretin," "Duotal," "Exalgin," "Formalin," "Heroin" "Hydrochlor, "Migrainin," "Formalin," "Tetronal," "Trional," "Urotropin," "Cystogen," "Metramin," "Veronal," and "Xeroform." The proprietary preparations which are to be replaced by B.P. or B.P.C. preparations are: "Adrenalin" solution (1 in 1,000), Analgesic balsam (various makers), "Antikamnia" tablets, "Antiphlogistine," "Asthma Relievers and Cures" (various), "Bisedia," "Boroglyceride," "Bromidia," "Bynohypophosphites," "Capsolin," "Carlsbad Salts," "Chlorodyne" (various makers), "Cream of Magnesia," "Dusting-powders" (various antiseptic), Emulsio Ol. Morrhuæ cum Hypophosphit. (various), "Fellows' Syrup," "Fletcher's Syrup with Strychnine," "Futcher's Syrup," "Fletcher's Syrup with Strychnine," "Farether's "Syrup," "Fletcher's Syrup," "Fletcher's Syrup," "Fletcher's Syrup," "Fletcher's Syrup," "Fletcher's Syrup with Strychnine," "Farmanint" Lozenges, "Glyco-heroin," "Larolopetine," "Lanolin," "Lanolin Anhydrous," "Lactopeptine," "Lanolin," "Lanolin Anhydrous," "Lactopeptine," "Lanolin," "Lanolin Anhydrous," "Fleto, "Wasogen" Iodine, etc., "Xaxa" Tabloids. Prescribers are required to check the rate at which patients take medicines, and chemists are instructed that Tariff-list preparations must be supplied in cases where the prescriber are required to check the rate at which patients take medicines, and chemists are instructed that Tariff-list preparations must be supplied in cases where the prescriber does not indicate which he desires to be dispensed. This particularly applies to cod-liver-oil emuls

Glasgow.—At a meeting of the Insurance Committee on June 10 the Medical Benefit Sub-Committee reported upon the Central Checking Bureau's Memoranda, a report from the Drug Accounts Committee, and a letter about the whole matter from Mr. J. P. Gilmour. Having regard to the proposal that the Central Checking Bureau should act not as a checking but as a pricing bureau, and having regard also to the provisions of Section 39 of the Medical Benefit regulations, which section is incorporated in the second schedule to the agreement between the Committee and

chemists and others on the panel for this area, it was agreed to recommend that the matters dealt with in the memoranda be referred to the Pharmaceutical Committee, as required by Section 33 (1) of the National Insurance Act, 1913, for their opinion, and that so far as relating to "repeat prescriptions" the matter be also referred to the Panel Committee, in view of the present joint arrangement between the Panel and Pharmaceutical Committees as to the period during which prescriptions may be repeated. The Sub-Committee had no objection to the proposal that prescriptions be prieed by the Bureau, provided (1) that an undertaking is given by the Pharmaceutical Committee, on behalf of the chemists on the panel, that any abrogation of the terms of the agreement between the Committee and chemists and others on the panel in respect of the pricing of prescriptions and the furnishing of accounts to the Committee will be without prejudice to the terms and conditions of the agreement otherwise; and (2) that the Pharmaceutical Committee agree to meet one-half the proportion chargeable to the Committee of the cost of administering the Bureau.

WALES.

Carmarthen.—At a meeting of the Insurance Committee on June 5, the Clerk reported that he is receiving daily letters from panel practitioners and chemists asking for moneys due to them under the Act, but there are no funds available. The 1914 Drug Fund amounted to 3,857l., and, in accordance with the Commissioners' instructions. 90 per cent. had been paid out—1,860l. to ehemists and 1,225l. to doctors. The ehemists' claims amounted to 2,084l., and were paid in full for the first three quarters of the year, while 50 per eent. was paid for the fourth quarter. A letter had, however, been received from the Commissioners stating that funds are to be placed at their disposal to meet the chemists' elaims.

Association Affairs.

Edinburgh.—The annual meeting of the Edinburgh District Chemists' Trade Association was held at 36 York Place, Edinburgh, on Thursday, June 3, Mr. A. Duncan (President) in the chair. Following upon the annual report, read by Mr. James Dick (Hon. Secretary), some comments were made by Mr. J. R. Hill on dispensing for the relatives of sailors and soldiers, showing that the assistance by ehemists in this matter has been appreciated. Mr. Andrew A. Murray (Hon. Treasurer) submitted a financial statement, which showed a cash balance of 111. 13s. 5d. Both reports were adopted. The Chairman then asked the members if they desired to make any observations regarding the Checking Bureau. He said it was not in working order yet, but it was getting into harness, and they hoped very satisfactory work would be done by it and that by and by chemists would have little reason to grumble because of its institution. Thereupon some conversation took place. Mr. Hill replying to questions and remarks on points of procedure, especially showing that the Bureau does not infringe any of the rights of Pharmaceutical Committees nor of Insurance Committees, the work of the Bureau being purely ministerial, and not administrative. Mr. John Muir expressed the view that Scotland should be under a uniform list. Mr. Hill said he believed that would have to come ultimately. Mr. Noble suggested that they should recommend the Bureau to have a uniform pricing-list for the whole of Scotland. Mr. Hill believed that would have to be done also. In reply to a further inquiry, Mr. Hill said every chemist should do his own pricing on the B form as a check. On the motion of the Chairman, it was agreed to give a donation of 2l. 2s. to the Pharmaceutical Benevolent Fund and 1l. 1s. to the Orphan Fund. Office-bearers for the ensuing year were then elected as follows: President. Mr. A. Duncan; Vice-President, Mr. A. J. Clark; Secretary, Mr. James Dick; Treasurer, Mr. A. A. Murray; Assistant Secretary, Mr. G. Victor Wright; Members of Committee, Messrs. A. Currie,

Essex.—A Committee-meeting of the County Pharmaeeutical Association was held on Thursday, June 3, when it was decided to ask the members to accept the nomination of all the old members of the Pharmaceutical Committee,

with the exception that Mr. W. T. Graham (Manor Park) will take the place of Mr. Weddell (Colchester), resigned through business pressure. The names, therefore, are: W. Bevan (Harwich), J. Brooks (East Ham), H. Cocker (Ilford), T. England (Romford), F. H. M. Foster (Stratford), J. Freeman (Barking), P. G. Jordan (Grays), J. Kirkpatrick (Upton Manor), E. N. Lloyd (Forest Gate), W. Maskew (Clacton), J. H. Matthews (Leytonstone), T. L. Nicholls (Chelmsford), T. P. Pechey (Maldon); C. Rundle (Walthamstow), T. H. Seed (Leyton), E. H. Slater (Epping), W. T. Graham (Manor Park), and C. E. A. Goode (Secretary). All members are asked to support them. The action of the Emergency Committee in appointing Mr. Goode to represent them in concert with the delegates of Greater London on trade matters was eonfirmed. He was instructed to state their views at a special meeting with the Local Associations Executive Sub-Committee held at 17 Bloomsbury Square this week. The following motion, proposed by Mr. England, was passed: "The County Association consider the time has arrived for a closer formation of chemists upon trade matters, and ask for a definite statement from the next Association Conference as to whether the Executive Committee is competent to deal with that matter and will undertake to carry on the powers given to them at the last Conference." The Committee promise their whole sup port to the propaganda scheme put forward and accepted by the London County Association.

**London Chemists' Golfing Society.-Mr. T. E.

Lescher presided at the annual meeting, when the following office-bearers were elected: President, Mr. T. E. Lescher; Vice-Presidents, Messrs. A. Barritt, S. Briggs, W. Ralph Dodd, E. A. Hugill, J. Jones, J. Murison, C. Presant, R. J. Reuter, C. Tanner, C. Thomson, W. B. Trick, J. C. Umney, C. T. Allen, and Dr. Reginald Hanbury; Captain, Mr. M. W. Carmichael; Vice-Captain, Mr. A. Boyes; Secretary and Treasurer, Mr. G. F. Deeth, 40 Cleveland Park Avenue, Walthamstow; Auditors, Messrs. F. Bell and S. Thomson; Committee, Messrs. Bartlett, Bowden, Beaton, Duncan, Harries, Hepburn, Malcolm, McDonald, Pinchen, and Saunders. The Society do not propose to hold any tournament competitions this season, but a few open meetingsmay be arranged at which the annual cups and trophies will be competed for. The following were the prize-winners-last season: Annual Events—Sanger Cup, H. W. Bartlett; "British and Colonial Druggist" Cup, C. Mitchell; Hill Cup, P. N. Taylor; Thomson Cup, J. O. Scott; Carmichael Trophy, P. Strange; Gold Medal, W. Chapman. Special Prizes—President's (Mr. Lescher) Prize, C. Mitchell; Captain's (Mr. Allen) Prize, M. W. Carmichael; Mr. Trick's Prize, C. McDonald; Mr. Lionel Cooper's Prize, S. Thomson; Mr. Briggs' Prize, G. F. Deeth; Mr. Saunders' Prizo, M. W. Carmichael: Mr. Harries' Prize, J. Jones; Club Tournament, J. O. Scott.

Bankruptcy Report.

Re Horatio Nelson Lunn, "Dalkeith," Weelsby Road, Grimsby, trading as Croft, Ltd., chemists, Victoria Street, Grimsby, The public examination of this debtor was held at the Grimsby Bankruptcy Court on June 3. His statement of affairs showed gross liabilities amounting to 890l. 0s. 1d., of which 367l. 4s. 7d. is expected to rank. There are no assets. Debtor said he is not a qualified chemist and he had to employ onc. He was formerly employed by the late Mr. George Croft, who left the business was formed into a limited eompany under the title of Croft, Ltd., with a capital of 300l. Debtor had 149 1l. shares, and the qualified chemist was appointed managing director. Prior to the war the turnover in the business was 750l. to 800l. per annum, but this had fallen to about 12l. per week. The company is now insolvent, and a resolution was passed for the voluntary winding-up. The trade debts amounted to 265l. 12s. 10d., solicitors' costs 40l., and the arrears of rent were 140l. In reply to the Official Receiver (Mr. J. F. Wintringham), debtor stated the cause of his failure was 180l. lost on the sale of a house in Augustine Street. He bought a fishing-vessel in January 1913 for 200l., and after working it for six months sold it for 50l. He knew nothing about the business and was entirely in the hands of other people. He did not admit the Official Receiver's suggestion that he had shown a lack of business ability or that he had been extravagant. There were two mortgages on "Dalkeith," Weelsby Road, amounting to 515l., and this was about the value of the house. The examination was adjourned to the July Court. The creditors include Loftlouse & Saltmer, Ltd., Hull, 20l.

Trade-Marks.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for $\mathcal{L}_{\mathfrak{I}}$) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," May 19, 1915.) "STRIFAINT": for paint removers (47). By W. H. Tatham, 2 Springfield Mount, Armley, Leeds. 365,837.

"BLONDOL"; for perfumery, etc (48). By Vinolia Co., Ltd., 37-38 Upper Thames Street, E.C. (Associated.) 366,331.

"SARACEN"; for perfumery, etc. (48). By B. W. S. Palmer, Kelvin Grove, Churchdown, Gloucestershire. 366,608.

"The Bantam"; for hair combs (50). By The North British Rubber Co., Ltd., Fountainbridge, Edinburgh. 366,779.

4 Novellon"; for a waterproofing preservative for textiles, etc. (50). By Siebe, Gorman & Co., Ltd., 187 Westminster Bridge Road, S.E. 366,989.

(From the "Trade-marks Journal," May 26, 1915.) "PALOMINE"; for all goods (1). By Sunbow, Ltd., 53 New Broad Street, E.C. 365,579.

4" SCINTITE"; for a metal-hardening chemical (1). By Piftin, Ltd., 2 Fen Court, Fenchurch Street, E.C.

Device of cross and star combined with circle bearing letter "L" ("L" disclaimed); for chemicals (2). By Lysol, Ltd., 9 and 10 St. Mary-at-Hill, E.C. 366,020.

Picture of elephant above signature "J. CHAPMAN & Co."; for vermin-destroyers (2). By J. Chapman & Co., 1 Dewberry Street, Poplar, E. 366,472. (Associated.)

"Codlivine" and "Codlivol"; for chemicals (2). By Osmond & Son, Ltd., Doughty Road, Grimsby. 366,963/4. (Associated.)

"ARIES"; for chemicals (2). By 399 Oxford Street, W. 366,978. By Florence J. Hawkins,

Label device with words "Noah Fellows's Bronchial Leaflers," etc., and portrait of Noah Fellows. By W. Fellows, 31 Wingfield Road, Walthamstow. 366,354.
"VAPEX," for inhalants (3); "Neoline," for medicinal chemicals (3). By T. Kerfoot & Co., Bardsley. 366,169, 257, 267.

367,207.

"PHARMAPLAST"; for medicinal chemica Koninklijke Pharmaceutische Hand Looiersgracht 27-35, Amsterdam. 366,813. for medicinal chemicals (3).Handelsvereeniging,

"Gerat Portland Street, W. 367,048. (Associated.)
"Yalmetsol."; for a dental solution (11). By S. E. Valen-

tine, 115 Fore Street, Kingsbridge, Devon. 366,297.

""
"MAINSAIL"; for goods (42). By Smith & Sons. 44-48 Magdalen Street, Norwich. 365,390. (Associated.)
"Huldoma" in facsimile writing; for food-substances (42). By R. H. Nixon & Co., Woodhouse Eaves, near Loughborough. 366,559.
"OPHIR" in Russian characters; for food-substances (42).

By Layton & Son, 14 Mincing Lane, E.C. 367,049.

(Associated.)

"SAGAS"; for goods (47). By Lever Bros., Ltd., Port Sunlight, Cheshire. 366,453. (Associated.)

"VOLDEX"; for all goods (47). By R. Hague, A. Hume, and J. K. Cheetham, 4 Malvern Place, Oldham.

and J. K. Cheetham, 4 Malvern Place, Oldham. 366,856.

"CREX"; for detergents (47). By Brunner, Mond & Co., Ltd., Northwich. 367,129.

"Snow Queen": for all goods (48). By Solport Bros., 184-190 Goswell Road, E.C. 366,375.

"BITROL," "BITRO." and "Kuranum": for perfumery, etc. (48). By M. F. Pratt, 212 and 214 Great Portland Street, W. 366,911, 367,118 (Associated), 367,203.

"THRIVALENE"; for a hair-preparation (48). By Whittaker & Frost, Ltd., 55 Ayres Road, Old Trafford, Manchester. 366,932.

"Panache" in facsimile writing; for perfumery, etc. (48). By J. S. Collins, 38 Electric Avenue, Brixton, S.W. 367,054.

367,054. "BORADERMA"; for perfumery, etc. (48). By G. W. Goodwin & Son, Ordsall Lane Soap-works, Manchester. 367,140. نظلم أحسر Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., June 10, 6.30 p.m.

VERY fair amount of business is in progress in the chemical and drug markets with values as a rule tending upwards owing to the difficulty in procuring sapplies. This applies to chemicals only, as arrivals of many of the staple crude drugs are taking place in fair quantity, as evidenced by the freer offering of Sumatra and Siam benzoin, Cape aloes, cardamoms, dragon's-blood, gamboge, honey, rhubarb, sarsaparilla, turmeric, and beeswax. Further advances have to be recorded in citric and tartaric acids and cream of tartar, the demand for which is greater than the supply. Ammon. carb. and potash permanganate are dearer. Hexamine, hydroquinone, resorcin, and salol show a further advance. Persian opium on spot has changed hands freely. In seeds, canary is slightly lower, coriander easier, caraway steady, and linseed dearer. Fenugreek and cumin are in fair demand. Among essential oils, lemon is irregular, but tending higher; reppermint is unchanged; sandalwood, patchouli, caraway, and bitter-almond oils are dearer. Star-anise is easy, with good arrivals. Articles which have an easier or lower market include chiretta, cardamoms, crude antimony, quicksilver, palm, linseed, and coconut oils:

TT: 1	T7:		-
Higher	Firmer	Easier	Lower
A on oneh	Ammonia	Aless (Claus)	A 4.2
Ammon, carb.		Aloes (Cape)	Antimony
Areca	sulphate	Benzoin	(Ch. er.)
Caraway oil	Hexamine	(Sumatra)	Canary-seed
Cascarilla	Resorcin	Cardamoms	Coconut oil
(sifts.)	Salicylates	Chiretta	Papain
Citric acid	Salol	Coriander-	
Cream of	Sarsaparilla	seed	
tartar	(native J.)	Linseed oil	
Dragon's-blood		Mercury	
(drop)		Palm oil	
Linseed		Rhubarb	
Nux vomica		(High-dried)	
Patchouli oil		Sarsaparilla	
Potash		(grey J.)	
permang.			
Sandalwood oil			
Senna (Tv.)			
Tartaric acid			

Cablegrams.

Bergen, June 3.—The cod-fishing in the Finmarken district is irregular. Market quiet, at 155s. per barrel c.i.f. Hull for finest non-congealing medicinal oil.

Bergen, June 9.—The cod-fishing at Finmarken continues small, and the market for finest non-congealing medicinal oil is firmer at about 162s. per barrel c.i.f.

NEW YORK, June 9.—Business in drugs is active. Opium s quiet at \$7.00 per lb. Mexican sarsaparilla has been advanced to 12c., and Cartagena ipecacuanha is steady at \$4.75 per lb. Balsam Peru is cheaper at \$3.50. Copaiba balsam is steady at 32c., and balsam tolu is also steady at 40c. Peppermint oil and menthol are unchanged. American seffence in bishen et 521c. saffron is higher at 52½c.

London Markets.

ACETYLSALICYLIC ACID.—The value is about 32s. 6d. per lb. Ammonia Carbonate has been advanced $\frac{1}{4}d$. per lb. to $4\frac{1}{2}d$. net for lump and $4\frac{3}{4}d$. net for powdered in casks, with the usual extras for smaller packages.

Ammonia Sulphate is steady, at from 13l. 2s. 6d. to 13l. 7s. 6d. per ton net, naked at works, London, for 25-percent. ammonia; Hull, 24-per-cent., is 13l. 15s. to 13l. 16s. 3d.;

Liverpool, 13l. 17s. 6d. to 14l.; Leith, 14l. 2s. 6d., July-December, 14l. 5s. to 14l. 7s. 6d. per ton in bags f.o.b., less 3½ per cent.

ARECA is higher, bold sound Ceylon selling at 35s. per cwt.

Balsam Peru remains very scarce at 19s. per lb. on spot. Balsam Tolu is steady on spot at 1s. 9d. and 1s. 10d. per lb. c.i.f.

BARBITONE is quoted at about 42s. 6d. to 45s. per lb.

BENZOATES.—Benzoate of soda and benzoic acid are both firming up at about 6s. 9d. per lb.

BIRCH OIL.—Sweet oil distilled from Betula lente is

quoted at from 10s. to 10s. 3d. per lb.

Camphor (Refined).—Firm, with sellers of Japanese $2\frac{1}{2}$ -lb. slabs at 1s. $6\frac{3}{4}d$. per lb. c.i.f. for June-July delivery. Business has been done in slabs on the spot at 1s. 9d.

CANARY-SEED is slightly lower at 87s, to 90s, per quarter for ordinary to fair Morocco on the spot.

CANTHARIDES.—Russian offer at 10s. 6d. per lb., which price is prohibitive.

CARAWAY OIL is much dearer at from 8s. 3d. to 8s. 6d. for finest English-distilled, as to quantity. Dutch is quoted at from 7s. to 7s. 6d.

CARAWAY-SEED is steady at 36s. per cwt. for fair Dutch. CASCARA SAGRADA.—An arrival of 862 bags has taken place from Portland, Or. According to the drug statistics, the London stock in first-hands on May 31 was 95 tons, against 224 tons in 1915. In auction 168 bags imported in 1906 were held at 60s. per cwt.

Chiretta is easier, with good offering at about $6\frac{1}{2}d$. on the spot, and to arrive there is an offer of 4d. c.i.f.

CINCHONA.—At the tender to be held at Amsterdam on June 10 the declarations amount to 12,555 packages, weighing 1,059,319 kilos., manufacturing barks, the quinineing 1,059,519 kilos, manufacturing parks, the quinine-content being equivalent to 66,250 kilos. The average percentage of quinine is 6.25. At the auction of pharmaceutical bark, to be held on June 11, 1,807 packages (863 bales and 944 cases) Java will be offered, weighing 101,449 kilos, the quinine-content being 2,670 kilos. The exports Amst. b., against 1,224,000. Amst. b. in 1914. The exports spipments (January-May) were 4,430,000 Amst. b., against 6,207,000 Amst. b. in 1914.

CITRIC ACID has advanced a further $\frac{1}{2}d$. per lb. to 2s. 8d. CLOVE OIL remains firm at from 4s. 10d. to 5s. per 1b.

for English distilled, as to quantity.

COCA-LEAVES.—Further particulars of the auction to be held at Amsterdam on June 11 show that the 3,330 packages weigh 181,846 kilos., the total alkaloidal-content amounting to 5,584 kilos. The average percentage is 1.54. The exports from Java to Europe during May amounted to 1,766 packages, against 2,527 packages in 1914. The total exports (January-May) amounted to 10,923 packages in 1915, against 13,657 packages in 1914.

COCAINE is unchanged, at 15s. per oz., less 5 per cent., for the hydrochloride and 16s. 6d. to 17s. for the pure alkaloid.

CODEINE.—Makers can only book contracts for forward delivery, such as July-August, on the basis of 24s. per oz. net for the pure crystals.

COD-LIVER OIL.—Our Bergen correspondent writes on May 31 that "At Finmarken the weather continues stormy, rendering the cod-fishing quite irregular. To-day's report gives the following output of all the districts to May 24":

Catch of cod (millions) ... 92 1913 1914 1915 71.5 66.5 60 41,800 52,100 48,300 Yield of liver for raw oils ... 28,300 (hect.) 8,200 •••

In spite of this unsatisfactory state of things, the market is unaltered, quiet, and the quotation of 160s. per barrel

for prime non-congealing oil is nominal.

In London little interest is displayed in the market and prices are unaltered. We hear from Aalesund that the weather has almost completely hindered fishing operations in Finmarken and the prospects are now very poor, although there appears to be more fish on the fishing grounds.

Colchioum-root.—We note the arrival of 23 bags, iniported under licence, viâ Rotterdam.

COPPER SULPHATE is unaltered, at 271. per ton for the usual Liverpool brands.

CORIANDER-SEED is rather easier at 10s. 6d. to 11s. 3d. per cwt. for common to fair Morocco.

CREAM OF TARTAR has advanced to 190s. to 195s. per cwt. on spot for 98-per-cent. powder.

CUMIN-SEED.—The small stock here has been cleared at 82s. to 82s. 6d. per cwt. for ordinary Morocco, and business has been done for shipment at 55s. per cwt. c.i.f. terms for new crop, June-July steamer.

Elemi.—The Helenus has brought 55 cases via Hong-

Kong.

Epsom Salt.—Prices are very irregular. In ton-lots up to 27t. to 27t. 10s. per ton is quoted for stuff imported from the United States. For guaranteed B.P. quality small lots have changed hands at fancy rates, up to 45s. being quoted.

Fenugreek-seed.—A fair quantity has been sold lately at 8s. 9d. to 9s. 3d. per cwt. for ordinary to good Morocco.

Galls remain scarce, there having been no arrivals from the Persian Gulf; blue are quoted 80s. to 85s. per cwt. spot.

GUAIACOL PREPS.—Carbonate has been sold at 18s. per lb., and Liquid, which is very scarce, has been sold up to 14s.

HEXAMINE has been sold at from 4s. to 5s. per lb., and some ask 6s.

Hydroquinche.—Business has been done at prices varying between 12s. 3d. and 15s.

INSECT-FLOWERS.—Dalmatian are extremely scarce, the value of best wild flowers being about 350s. per cwt. on spot. Japanese are quoted 200s. Powder is in good demand, the value of foreign ground being 2s. to 2s. 6d. per lb.

JALAP.—Business has been done at 1s. 2d. per lb. for 13-per-cent., and at 1s. 5d. for 17-per-cent., but better prices are expected. London stock at end of May was 144 packages, against 195 in May 1914.

Lemon OIL is somewhat irregular, but generally firm at from 3s. 9d. to 4s. 2d. per lb. c.i.f., and the spot value is 4s. 3d. to 4s. 6d. A Sicilian report, dated May 28, states that in consequence of the declaration of war and calling up of so many men our market for all articles has been very unsettled. Generally there are more buyers than sellers, and we think that buyers are more insistent because they are anxious to have the goods on hand. However, for reasons which will be readily understood, no firm quotations can be given at present.

LINSEED is dearcr for good quality, the quotations varying from 60s. 6d. to 62s. per quarter.

LYCOPODIUM is offered at 3s. 6d. per lb. for stuff now

MERCURIALS.—Orders to British makers are only executed for regular consumers in limited quantities. premium would have to be paid on present nominal values.

MERCURY.—After last week's rapid advance to 151. nominal the market subsequently eased to 141. 10s. to 141. 12s. 6d. for

Menthol is unchanged, spot offering at 10s. for Suzuki and June-July shipment at 9s. In auction five cases Suzuki wcre limited at 10s.

METHYL-AMIDOPHENOL SULPHATE.—The chemical equivalent of metol is extremely scarce and dear at about 35s. per lb.

MINT OIL is unchanged, Japanese dementholised offering at 2s. 11d. and at 2s. 9d. c.i.f.

MORPHINE.—Unchanged, makers being unable to accept fresh business. Second-hands quote a limited quantity at 13s. 2d. for hydrochloride powder and 13s. 4d. for cubes.

Nux Vomica is dearer. Business has been done at 20sper cwt. c.i.f., but 21s. c.i.f. is now asked for Calcutta description. A cable intimates "Crop exhausted."

OPTUM remains unchanged at from 23s. to 23s. 6d. per lbfor 11-per-cent. druggists' quality; in Persian about 200
cases have changed hands on the spot at from 17s. to 20s.
per lb., as to test, the tendency being rather firmer. A
eircumstantial and widely-spread rumour was prevalent in
the City on Wednesday that the Allies had forced the
Dardanelles. The rumour was said to emanate from the
Baltic on behalf of "bear" operators in wheat and is a
little anticipatory. A parcel of sea-damaged Persian bricks
(14 lb.) testing 11.21 per cent. Harrison sold in auction for
account of whom it may concern at 15s. 6d. per lb.
Orris is still obtainable on the spot at very reasonable

ORRIS is still obtainable on the spot at very reasonable prices—viz., 47s. 6d. to 48s. per cwt. for fair Florentine sorts. Some heavy buying is said to have been done both spot and forward. 49s. c.i.f. has been cabled.

Paraform is offered at from 3s. 9d. to 4s. per lb. Patchoull Oil.—Leaves being scaree and much dearer, the English-distilled oil has advanced to 20s. to 21s. per lb. Phenacetin.—Business has been done at from 17s. 6d. to

18s. per lb. for crystals or powder. PHENAZONE is practically unobtainable.

PILOCARPINE remains very scarce at from 12s. 6d. to 13s. (12s. paid) per oz. for either hydrochloride or nitrate.

Potash Chlorate.—The spot value is from 1s. $4\frac{1}{2}d$. to Is. 5d. per lb. for ordinary crystals, but for santonin crystals, which remain very scarce, 2s. 3d. is asked.

POTASH PERMANGANATE.—Rather dearer at from 200s. to

205s. per cwt.; some ask more.

POTASH SULPHO-GUAIACOLATE has been sold at 16s. 6d. per lb. Quinine is a firm market at from 1s. 4d. to 1s. $4\frac{1}{4}d$. per oz. for the usual Continental brands. Deliveries from the ware-house have been good lately, and some of the old stock is being moved off into consumption.

QUININE ETHYLCARBONATE.—The cher euquinine has been sold at 45s, per lb. -The chemical equivalent of

Salicylates.—The value of sodium is about 15s. and acid 12s. to 12s. 6d. per lb.

Salol.—The value is about 15s. per lb.

Saltpetre.—English refined is firm at 48s. for powder and 49s. for crystals.

SANDALWOOD OIL.—The list price of one of the leading English drawers has been advanced to 26s. 9d. to 27s. per lb. for finest oil from E.I. wood, as to quantity. High prices for raw material and the difficulty of procuring supplies are contributory causes.

SILVER PROTEINATE.—There has been a large demand, up to 28s. having been paid, and the price is expected to go to 30s. Nucleinate is little inquired for at from 34s. to 35s.

Soda Hyposulphite.—There is still a fair stock left, even after the Government requirements have been satisfied. To arrive from 151. to 161. per ton ex wharf is quoted.

Soda Nitrate is firm at 14s, for refined and 13s, 6d, for ordinary.

Soy.—Business has been done at 1s. 9d. per gal. duty paid. SULPHUR remains firm at I31. per ton, and 121. for roll ex wharf.

TARTARIC ACID.—On account of extreme scarcity the spot price has advanced to 2s. per lb., being $1\frac{1}{2}d$. higher.

TERPENE HYDRATE.—Business has been done at 4s. per lb. Terpineol.—Sales have been made at 3s. per lb.

TURPENTINE shows little change on the week, closing at 34s. 3d. per cwt. for American on the spot.

London Drug-auctions.

Commercial Sale-rooms, Mincing Lane, E.C., June 10.

At the drug-auction held to-day the demand generally was slow for the fair quantity of new and second-hand drugs offered. Cape aloes met with no demand, and were bought in at full prices; little of fine quality offered. Sumatra benzoin was rather easier, owing to larger arrivals. Siam although plentiful, was retired at high rates. Cascarilla siftings were dearer. Cardamoms were too plentiful, and proved a dead letter. Cascara was bought in at a substantial advance. Dragon's-blood remains firm for reboiled, stantial advance. Dragon's-blood remains firm for reboiled, but Zanzibar drop realised an advance of 2l. per cwt. Gamboge is about steady. New Zealand, Californian, and Cuban honey sold at full rates, there being also a good private demand. Ipecacuanha is very firm and selling privately. Kola, orris, myrrh, and orange-peel steady. Rhubarb was the turn easier for High-dried; genuine Shensi is held for a high figure. Grey Jamaica sarsaparilla was 1d. cheaper, but native Jamaica improved 1d. Tinnevelly senna and pods brought extreme rates. Turneric steady, and beeswax was all bought in, but is in good demand privately. The following table shows the quantity of goods offered and sold: quantity of goods offered and sold:

Offered Sold	Offered Sold
Aconite (Jap.) 10 0	Camphor oil 5 0
Agar-agar 1 0	Canella alba 5 0
Albumen 4 4	Cannabis indica 4 0
Aloes—	Cantharides 11 1
Cape 136 15	Cardamoms and
Socotrine (kegs). 15 0	seed 515 9
Zanzibar 11 0	Cascara sagrada 323 0
Angelica-root 3 3	Cascarilla 15 9
Anise 14 *7	Cashew-nuts 108 0
Annatto-seed 102 0	Cassia oil 25 0
Argol 375 0	Chiretta 11 0
Asafetida 12 0	Cloves (Sey.) 2 0
Balsam tolu 13 0	Coca-leaves 79 20
Belladonna-leaves. 6 0	Cochineal 2 0
Benzoin-	Croton-seed 30 0
Palembang 97 0	Cubebs 16 0
Siam 29 0	Dragon's-blood 74 6
Sumatra 143 24	Ergot 11 0
Buchu 28 1	Fennel-seed 25 0
Calumba 28 0	Galangal 10 0
Camphor (cr.) box. 1 0	Gamboge 9 *1

Offered Sold	Offered Sold
Gingergrass oil	Sandarac 4 0
(pots) 3 0	Sarsaparilla—
Guaiacum 1 0	Grey Jam 44 34
Gum acacia 268 83	
Henna 9 0	Honduras 23 0
Honey-	Lima 9 0
	Mexican 19 *11
Californian 331 20	Native Jam 6 6
Cuban	Scammony-root 48 0
New Zealand 210 75	Seedlac 5 0
Ipecacuanha—	Senega 12 0
Cartagena 6 0	Senna and pods—
Matto Grosso 5 0	Alex 19 5
Jalap 3 0	Tinnevelly 238 177
Kola 14 4	Squill 10 0
Menthol 5 0	Sticklac 30 0
Myrrh 26 3	
Olibanum 49 0	
Opiumlb. 14 14	Tragacanth 4 4
	Turmeric 336 20
	Wax (bees')—
Orris (Mog.) 20 20	Abyssinian 90 0
Papain 4 0	East African 794 *40
Poppy-seed 31 0	East Indian 169 0
Rhapontica 10 0	Morocco 40 0
Rhubarb-	Portuguese 9 0
Chinese 128 7	J V V

* Sold privately.

ALBUMEN.—Four cases Chinese egg sold at 2s. 2d. per lb.

ALOES.—Practically no prime quality Cape offered, and the unusually large offerings were bought in. Ten cases sold on usual 20 per cent. tares, comprising coarse dull hard, part softish, seconds at 28s. 6d. down to 27s. per cwt. Good hard bright firsts were bought in at the firm price of 35s. per cwt.

Angelica-root.—Three bales common broken wormy sold without reserve at 40s. per cwt.

Anise.—Fourteen bags Russian offered, of which seven had been sold privately, 28s. being wanted for the remainder.

BENZOIN.—Supplies were rather more plentiful, and further arrivals are taking place. Ten cases of ordinary brown streaky Sumatra seconds with false packed ends sold at 6l. 10s., and two cases ordinary crosscuts badly packed at 1.17s. 50. 17s. 6d. Two cases fair seconds with medium size white almonds sold at 7l. subject, and four cases country cut at 6l. 15s. subject. For two cases of small to medium pale free Siam almonds a bid of 18t, per cwt. is to be submitted. The value of small pea and bean size is 15t, and dust in hard dark block 5t. per cwt. For good-flavoured yellow almondy block 291. was wanted.

BUCHU.—A bale of round slightly yellowish and stalky BUCHU.—A bale of round slightly yellowish and stalky leaf sold, subject to seller's approval, at 4s. 6d. per lb., the limit being 4s. 9d. Longs were obtainable at from 3s. 9d. to 4s. for fair greenish slightly stalky, and ovals at from 2s. 4d. to 2s. 8d., the latter for good greenish. Privately a moderate business has been done at full prices. The exports from the Union of South Africa during March amounted to 45,116 lb. (7.508L), against 35,247 lb. (6,698L) in March 1914. During the three months ended March 31, 1915, exports were 75,745 lb. (12,370L), against 74,342 lb. (14,561L) for the corresponding period of 1914.

CANTHARDES.—A single case of Chinese flies sold at 4s.

CANTHARIDES.—A single case of Chinese flies sold at 4s. per lb.; the value of Russian is 10s. 6d.

Cardamons.—Practically a dead letter, only two cases bags split seed sold at 2s. 9d., and four cases of Seed from New York sold without reserve at from 2s. to 2s. 1d. per lb. for mixed. For genuine Bombay seed the value is 3s.

CASCARILLA.—Siftings are dearer, business having been done at rather over 60s. This price was asked in auction for five bales dusty. Four bales of small and stringy quill had been sold privately.

COCA-LEAVES.—Twenty bags of green powdered Java sold at 3½d. per lb. Nine cases Ceylon-Huanuco were held at 1s. for fair greenish and 7d. for brown, of which ten cases offered.

Dragon's Blood.—Zanzibar drop was about 21. per cwt. dearer, fair to good selling at 101. 10s. to 111. 10s., siftings at 62s. 6d., and dust at 55s. per cwt. For fair reboiled Singapore lump, of which a good quantity offered, 20*l*. per cwt. was wanted. Two cases seedy virgin lump of fair colour realised 10l. 15s.

Gum Acacia.—A lot of 83 bags small reddish glassy of Aden character from Port Sudan sold at from 20s. to 22s. 6d.

HONEY.—Practically all the offerings sold at and after the auction at very full rates, there being a good demand. 210 cases New Zealand offered and the bulk sold (mostly privately) at 45s. per cwt. for good pale set; of Californian,

331 cases offered and 20 sold publicly at 37s. for palo set and setting, the broker intimating that the remainder would be sold immediately after the auction. Of Cuban, 75 casks and 97 cases were practically all disposed of at 40s. to 41s. for fine white set and setting, and 33s. to 36s. for fair to good light amber.

IPECACUANHA.—Only five bales Matto Grosso offered and firmly held at 15s. Privately a good business has been done recently at 15s., principally for export. Cartagena was held

for 12s. per lb., which has also been paid.

Kola.—Steady. Four bags of dull small part wormy sold at 3d. per lb., and for ten bags good bright dried halves 5d. was wanted.

Myrrh.—Three cases small pale tear realised 47s. 6d. per «cwt.

Orange-peel.—The value of fair Tripoli strip remains at 1s. 6d., at which business has been done privately.

ORRIS.—Twenty bags of fair dull Mogador sold at 35s. RHUBARB.—Quiet. High-dried was a trifle easier, three cases of medium to bold flat with three-quarters fair pinky fracture selling at 1s. 3d. per lb., at which sales have been made privately. Bold round sun-dried Shensi with three-quarters good pinky fracture was firmly held at 5s. 6d., which price was also asked for small round and druggists' trimming root; and for good Shensi pickings the value is 3s. 6d. per lb. Medium to bold round Wild Shensi was limited at 4s. 9d. to 5s.

SARSAPARILLA.—Grey Jamaica was 1d. per lb. easier, 34 bales a little coarser quality than usual selling readily at bales a little coarser quanty than usual sening readily at 1s. 11d. per lb. Native-Jamaica was rather firmer, six bales selling at 1s. for pale red, 1s. 1d. for dullish red, and 1s. 2d. for fair to good red. Of a lot of 19 bales Mexican 11 had been sold privately at $9\frac{1}{2}d$. Per lb. Nine bales Lima-Jamaica were limited at 1s. 9d. Honduras was in fair supply, the asking prices being 1s. 4d. to 1s. 10d. per lb.

Senna.—Tinnevelly sold at extreme prices both for leaf and pods, up to 9d. per lb. being paid for two bales of good bold green. Inferior yellow leaf sold at from 4_3^3d . to 5_3^3d ., and common small 6_4^4d . to 6_3^3d ., and medium to fair greenish 7d. to 7_3^3d . per lb. Pods sold at from 2_3^3d . to 4_3^3d . for dark to fair and 7d. to 8_2^4d . for good. Five bales Alexandrian broken leaf sold at 6_3^3d . to 7_4^1d .

TRAGACANTH.—Two cases good flaky white druggists' quality sold at from 40l. to 41l. per cwt., and two cases

inferior brown at 40s. per cwt.

TURMERIC.—Twenty bags of small to medium Madras finger of fair colour sold without reserve at 18s. per cwt.

VARIOUS DRUGS .- The following were among the boughtin goods: Six bales Belladonna-leaves (testing 0.4070 per in goods: Six bales Belladonna-leaves (testing 0.4070 per cent. Parry) were limited at 350s. per cwt., and ten bales Senega at 2s. 2d. per lb. net. For 48 bags Mexican Seammony-root the value was 45s. per cwt., and five cases white light Camphor oil were held for 100s. per cwt. Two bags black Cochineal were retired at 2s. 1d., and 31 bags Poppysseed at 15s. per cwt. For ten bags Japanese Aconite-root 32s. 6d. was wanted. The value of fair Olibanum drop is 45s., and garblings 35s. per cwt. Of Annatto-seed 102 bags good Madras offered and bought in at 8d., and for three bags Jalap (15.9 per cent. resin) 1s. 2d. was wanted. A barrel of common drossy Guaiacum was held at 5d. The limit placed on fair Gamboge pipe is 13l. and very blocky pipe at 12l. 10s. pipe at 12l. 10s.

pipe at 12l. 10s.

Wax, Bees'.—Not a package sold in auction, but privately a good business has been done, principally for export. No Jamaica offered. The value privately is 8l. 5s. Good bleached Calcutta was held at 9l. 2s. 6d.; unbleached, mixed colours, 6l. 10s.; Madras, 6l. 5s. to 6l. 15s.; Abyssinian, 6l. 5s.; and Morocco, 7l. 2s. 6d. A large quantity of Madagascar offered, the value of good even brown block being 7l. 5s. and other qualities in proportion.

ZEDOARY-ROOT.—A lot of 77 bags from Bombay catalogued as zedoary sold without reserve at 5s. per cwt.

Arrivals of Chemicals and Drugs.

During the period June 3 to 9 inclusive the following produce from the places mentioned in parentheses has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.

Acetic acid (Rotterdam) blns.
45, cks. 16, (N. York) brls.

Anise, star (H. Kong) cs. 50

Annatto-seed (Jamaica) bgs. 53

Antimony (Japan) cks. 250 107, pkgs. 166 Agar-agar (Japan) 60 Ajowan-seed (Bombay) bgs. 168 Albumen (Shanghai) cs. (Tientsin) cs. 24 Ammon. phosphate (N. York) brls. 71

Arachis oil (Marseilles) cs. 363, (Amsterdam) cks. 600 Argol (Barcelona) pkgs. 195. (Messina) cks. 39 Barium binoxide (Paris) cks. 10 Boric acid (N. York) brls. 250

Calamus-root (Amsterdam) bls. Calcium tartrate (Piræus) bgs. 200, (Valencia) bgs. 183 Camphor (Japan) cs. 600 Canary-seed (B. Ayres) 944 Cantharides (H.-Kong) cs. 10 Caraway-seed (Holland) 203 Cardamom-seed (Colombo) bdis. Cardamoms (Colombo) cs. 105, (Bombay) 11 (Bomony) The Cascara sag. (Portland, Or.) bgs. 862, (N. York) 26 Cashew-nuts (Bombay) cs. 301 Cassia-bark (H.-Kong) es. 700 Castor oii (Marseilles) pkgs. 121 Castar sag. (Rophay) bgs. Castor-seed 18.074 (Bombay) Cellulose acetate (Treport) cks. 37. cbvs 6 Chaulmoogra oil (Calcutta) es. 10 Chemical prod. (Barcelona) pkgs. 7, (Treport) cs. 205, (Paris) pkgs. 135, (St. Nazaire) cks. 15, (Boulogne) cs. 45 Chemical prod., medicines, etc. (N. York) pkgs. 618 Chillies (Calcutta) 200 Chloral hydrate (N. York) cs. 48 Citric acid (Marseilles) cks. 77, (Palermo) cks. 26 Cocaine (Amsterdam) cs. 2 Cochineal (Las Palmas) 22 Cocoa butter (Amsterdam) 4 Coconut oil (Amsterdam) cs. 60, (Marseilles) brls. 28 Colchicum-root (Rotterdam) bgs. 23 Cream of tartar (Piræus) brls. 11, (Bordeaux) cks. 5, (Marseilles) cks. 60 Cuttlefish-bonc (Bombay) bls. Dextrin (Holland) 100 Drugs (Treport) cs. 105, (Calcutta) bgs. 62, (N. York) cutta) bgs. 62, (N. 107R) pkgs. 139 Ergot (Spain) bgs. 21 Essential oils (Amsterdam) cs. 7, cbys. 7, (N. York) cs. 15, (Messina) pkgs. 344 Farina (Holland) 200 Fatty acids (Natal) brls. 150 Fenncl-seed (Salonica) bgs. 317 Formaldehyde (N. York) brls. Fruit-essences (Rotterdam) cs. Galangal (H.-Kong) bls. Gallie acid (N. York) brls. 70 Gelatin (Barcelona) bgs. 104, (Paris) bls. 23, (St. Nazaire) cs. 18, (Treport) cs. 63 Gentian (Bilbao) 29 Gentian (Bilbao) 29 Ginger (Jamaica) bgs. 708, brls. 580, (Bombay) bgs. 1,312, bdls. 600, (St. John, N.B.) brls. 91 Glycerio (Rotterdam) cks. 31 bls. 17 Juniper-berries (Gothenburg) 6 Kola (Jamaica) bgs. 7
Laetic acid (N. York) cbys. 10
Lead acetate (N. York) cks. 5
Lemon-juice (Messina) pps. 92
Lemon oil (Palermo) cs. 15
(see also Ess. oils)
Lime-juice (Jamaica) pns. 129,
cks. 2, (St. Lucia) cks. 2
Linseed (Calcutta) bgs. 62,567,
(Tientsin) bgs. 1800
Lithopone (Rotterdam) eks. 100
Lycopodium (Gothenburg)
pkgs. 17

Cochineal (Callao) 25
Coconut oil (Sydney) brls
Coconut oil (Sydney) brls
Location (12 Tarrag
brls. 12
Location (12 Catania) cs. 81,
York) cs. 48, pkgs. 247
Essential oils (Messina) es
Glucose (N. York) 594
Glycerin (Havre) dms. 10
Ground-nuts (W.C. Af:
tons 696
Iodine (Iquique) brls. 93
Linseed (B. Ayres) bgs. 2

Gum copal (Singapore) bkts. Gums, undescribed (Adelaide) bgs. 102 Honey (Jamaica) cks. 1,113, brls. 91, kgs. 45, cs. 58, ('Frisco) cs. 45, (St. Lucia)

Ipecacuanha (Buenos Ayres)

Lycopodnum pkgs. 17 Manna (Palermo) cs. 5 Menthol (Japan) cs. 200 Methyl salieyl, (N. York) cbys.

61 Mineral waters (Marseilles) cs. 320, (Treport) cs. 627 Mineral white (Bordeaux) sks. Mint oil (Japan) cs 225
Nux vomica (Calcutta) pkts. 540
Olive oil (Pirœus) brls. 560,
(Marseilles) pkgs 105
Opium (Salonica) cs. 10
Orange oil (Jamaica) cs. 9
Orange-peel (Jamaica) cs. 5
Oxalic acid (Treport) cks. 30
Peppermint oil (N. York) cs. 34
Perfumery (Amsterdam) cs. 4
Petrolatum (N. York) brls. 65
Phosphorus (St. Nazaire) cs. 22
Pimento (Jamaica) bgs. 8,109
Potash chlorate (Treport) brls. 20 100 Potash iodide (Japan) cs. 30 Potash prussiate (Marseilles) eks. 43 Potash salts (Gothenburg) cks. 19, (N. York) cks. 20 Quinine (Amsterdam) cs. 110 Quinine (Amsterdam) cs. 110 Rape-seed oil (Japan) cs. 1.010 Roots, barks, herbs, etc. (Mar-seilles) pkgs. 275, (N. York) pkgs. 55 Rose-leaves (Seville) bgs. 3 Saccharin (Paris) cs. 20, (Tre-port) cs. 13 Saltpetre (Calcutta) bgs. 10,021 Sandalwood (Bombay) 42 Sarsaparilla (Janaica) bls. 5 Seedlac (Calcutta) bgs. 675 Seedlac (Calcutta) bgs. 675 Senna (Alexandria) bls. 91 Shellac (Calcutta) cs. 1,671, bgs. 275; button cs. 100; garnet 25; stick 472 Soda crystals (Uddevalla) pkgs.
152 Soda hypo. (N. York) kgs. 3,092 Soda nitrate (Chile) tons 1,500 Soda oxalate (Treport) cks. 30 Soda phosphate (N. York) brls. Soya-bean oil (Japan) pkgs. 1.450 1,450
Sulphuric acid (Rotterdam) 100
Tartar (Barcelona) brls. 21,
(Piræus) bgs. 200
Tartaric acid (Genoa) brls. 32
Turmeric (Bombay) bgs. 463;
bulbs bgs. 54
Vanilla-beans (Colombo) bxs. 3
Wax, bees' (Jamaica) pkgs. 49,
(Rangoon) 56, (Japan) bgs. 10,
(Newchang) cs. 11, (N. York)
bgs. 14, (Rotterdam) bls. 35, (Newmang) cs. H. (N. 1018) bgs. 14, (Rotterdam) bls. 35, (Calcutta) pkgs. 20, cs. 18, (Bombay) cs. 15 Wax, veg. (Japan) cs. 375 Whale oil (Port Stanley) brls. 11,000, (St. Georgia) brls. 20,241 Wine-lees (Piræus) bgs. 182 Wood oil (Lisbon) cks. 120, (Hankow) cks. 447 Zinc oxide (N. York) brls. 910, (Rotterdam) 50 To Liverpool. Antimony ore (Chile) pkgs. Antimony ore (Chile) pags. 5,088

Argol (Naples) bgs. 202, (Messina) cks. 32, (Oporto) cks. 18

Balsams (Para) cs. 4

Borate of lime (Chile) bgs. 10,066 Casein (Charente) 134 Chemical prod. (N. York) pkgs. 29, (Havre) cs. 6, (Montreal) brls. 9 Cocaine cr. (Salaverry) cs. 1 Cochineal (Callao) 25 Coconut oil (Sydney) brls. 396 Cream cf tartar (Tarragona) brls. 12

Drugs (Havre) cs. 81, (N. York) cs. 48, pkgs. 247
Essential oils (Messina) es. 19,

Linseed (B. Ayres) bgs. 2,489 Lithopone (Rotterdam) eks. 80 Magnesite (Rotterdam) eks. 30

Mineral waters (France) c Orchella-weed (Lisbon) 74

Palm-kernels (W.C. Africa) bgs. 3,915, sks. 945 Perfumery (Charcente) cs. 21, (Havre) cs. 51 Potashes (Montreal) brise? Africa) Quebracho ext. (B. Ayres) bgs. 30,618 Quillaia (Talcahuano) bls. 39 Rosin (Brunswick, Ga.) brls. 6,200 Soda hyposulph. (N. York) brls. 240, kgs. 224 Soda nitrate (Chile) bgs. 35,778 Soda phosphate (N. York) brls. Wax, bees' (Chile) pkgs. 116 Wax, carnauba (Pernambuco) bgs. 1,862 Wax. undescribed (Lisbon) pkgs. 827 Whale oil (St. Georgia) brls. 8,289 Wine-lees (Palermo) bgs. 168 Zinc oxide (N. York) 1,450, (Rotterdam) 25 To Manchester.
Acetic acid (Rotterdam) pkgs.
20, (Philadelphia) brls. 132

Ammonia (Philadelphia) crts. Calcium carbide (Gothenburg) dms. 950 Citric acid (Palermo) cks. 10 Cottonseed oil (U.S.A.) brls. 1,300 Cream of tartar (Genoa) cks. 48 Dextrin (U.S.A.) bgs. 1,300 Essential oils (Messina) cs. 10, \(\frac{1}{2}\) cs. 98 ½ cs. 98
Farina (Rotterdam) bls. 750
Glucose (Philadelphia) brls. 479
Honcy (Leghorn) cs. 15
Lemon oil (Palermo) cs. 54,
½ cs. 33 (see also Ess. oils)
Liquorice (Naples) cs. 16
Mineral white (Genoa) bgs. 800
Olive oil (Leghorn) cs. 54, bys. Olive oil (Leghorn) es. 55, bxs. Perfumery (Havre) pkgs. 10 Rosin (Savannah) brls. 3,450 Soda chlorate (Philadelphia) kgs. 1,100

Tartaric acid (Genoa) brls. 36, (Naples) brls. 20 Thorium nit. (Philadelphia) cs.

20, (Philadelphia) brls. 152 24

To Bristol.—Anise (Marseilles) bgs. 7; coconut oil (Marseilles) cs. 1,731; cream of tartar (Marseilles) cks. 60; honey (Wellington, N.Z.) cs. 20; mincral waters (Marseilles) crts. 500, cs. 550. To Folkestone.—Chemical ·prod. (Dicppe) pkgs. 13, (Boulogne) pkgs. 14; drugs (Boulogne) pkgs. 11, (Dicppe) pkgs. 51; perfunery (France) pkgs. 116. To Grimsby.—Ammon. nitrate (Skien) cks. 1,015; chemical prod. (Dicppe) cks. 86; soda nitrate (Skien) cks. 65; tannic acid (Dicppe) kgs. 20. To Hull.—Acetic acid (Rotterdam) blns. 25; ammonia anhyd. (N. York) cyl. 50; ammon. nit. (Christiania) cks. 379; calcium carbide (Drontheim) 1,450; chemical prod. (N. York) brls. 82; ether (N. York) dms. 37; formic acid (Rotterdam) cbys. 8; cod-liver oil (Aalesund) 10; essential oils (Amsterdam) cbys. 11, cs. 16; formic acid (Rotterdam) blns. 72; linseed (R. Plate) bgs. 104,570; zino oxide (Rotterdam) 100.

Indian Drug-exports.

A Press communiqué from Simla, dated May 14, states: It is announced for general information that the prohibition on the export from British India of medical and surgical stores of every description has been modified so as to permit the export of senna in normal quantities to other countries besides the United Kingdom. The export of sandalwood and calumba-root is also permitted to the United Kingdom or a British Possession, France, and the United States of America.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

E. Bennett & Son, Ltd., are removing on June 24 from Aldgate Street Chambers to 45-51 Leman Street, London, E.C.

THE pharmacy formerly carried on by Mr. C. Chorley at 9 Market Place, New Malden, Surrcy, and latterly by Mr. A. J. Stewart, has been closed.

Mr. H. G. Hodder, chemist and druggist, has removed from 126 London Road, Kingston-on-Thames, to more con-venient premises a few doors away, at 116 London Road.

BOOTS CASH CHEMISTS (SOUTHERN), LTD., have opened a photographic shop in Farringdon Road, London, a few doors north of their drugs, gifts, and books establishment in that street.

Mr. J. W. Clegg, chemist and druggist, who has managed the business of the late Mr. H. S. McHugh, chemist and druggist, Bridge Street, Castleford, Yorks, has opened a pharmacy in the same street.

Mr. Alfred Barnett, chemist and druggist, of the National Insurance Pharmacy, 97 Southwark Park Road, London, S.E., has opened a branch at Jamaica Road, S.E., for Insurance dispensing only.

The pharmacy carried on by the late Mr. W. S. Smith at 107 St. James's Road, Bermondsey, S.E., has been closed. The stock and fixtures were sold by auction at a sale-room in London during the past week.

DURING the two months ended February the exports of chemicals, drugs, dyes, and medicines from the United States amounted in value to \$7,460,000, against \$3,986,000 and \$4,157,000 for the corresponding periods of 1914 and 1913 respectively.



Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "" "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Price of Zinc Oxide.

STR,—We have been asked in several quarters as to the probable effect on the future course of zinc oxide consequent upon the action of the Committee for Munitions of War in taking over all stocks of spelter for Government purposes. In our opinion this step can only tend to accentuate the scarcity of the oxide which exists, since it will, of course, be difficult to get supplies of the oxide which exists, since it will, of course to the oxide which exists, since it will, of course, be difficult to get supplies of the metal, and it will, moreover, difficult to get supplies of the metal, and it will, moreover, probably be found equally advantageous to manufacturers to dispose of their stocks of spelter without the time and trouble involved in turning it into the oxide.—Yours faithfully,

H. E. STEVENSON & CO. 122 Great Suffolk Street, S.E.

Pharmaeists and the Medical Profession.

SIR,—The best thanks of all chemists are due to you for your efforts on their behalf at all times. You have brought forward the recognition of the fact that the Minor examination should count as a good preliminary education. This to my mind is a step in the right direction, and I only hope some big step could be taken at once. My own case is one of thousands. I am in the Colonies trying to save enough to take the degree M.D. As business is a bit quiet all over the world it is a hard task just now, but I have not lost heart. I have managed big business houses and am now on my own. In England I took a scholarching and am now on my own. In England I took a scholarship and have won prizes in almost every subject, and in Science and Art institutes. I have also assisted at operations in surgery in India and elsewhere. I have a good knowledge of dentistry, prescribing, and have assisted in hospitals. I do not want to get out of the curriculum of five years as prescribed but I do say we changes who feel we are fitted. do not want to get out of the curriculum of five years as prescribed, but I do say we chemists who feel we are fitted for doctors should have our Minor certificate accepted as a preliminary education. It is only reasonable to say that we who are keen would make by far the best medical men. If it could only be shown to the Medical Council in the right light, they would certainly do something. If the Pharmaceutical Society of Great Britain, or chemists in general, would stop these petty quarrels over practically nothing, and do something towards uplifting the position of chemists, or form a medical school for chemists, I and several more would be subscribers at once.—Yours faithfully,

Mr. P. J. Buthertord (Front Street, Newbirginghy See)

Mr. R. J. Rutherford (Front Street, Newbiggin-by-Sea) informs us that he has now the names of 220 qualified chemists and druggists who are in agreement with him as to the Pharmaceutical examination certificates being accepted pro tanto for the equivalent subjects in the medical examinations. He would like to get thirty more.

Immature Spirit.

SIR.—In handing us a book of requisition-forms for the SR.—In handing us a book of requisition-forms for the purchase of rectified spirit, the officer of Customs and Excise informed us that it will be necessary to keep a credit and debit register of the quantity consumed. This register, for example, should show on one side "Received into stock 5 gals.," and on the other side details of the quantities and uses to which the 5 gals. was put. On remarking that we understood these details would be required only in case of claiming a rebate of duty, which we believed to be under consideration, we were informed that no information about any rebate had been issued, but that the Commissioners of Customs and Excise would require from the purchasers of immature spirit a record of the uses to which it had been put. We ask, Sir, is such a record practicable in the case of the average pharmacist, and what is its object?

Yours faithfully,

49 Haymarket, S.W.

WILCOX, JOZEAU & Co.

[This is in accordance with the obligations printed in the C. & D., June 5, p. 49, and it is officially stated that the requirement is "for the present." See also p. 49 of this issue.—Editor C. & D.]

Territorial Representation.

SIR,—I should like cordially to support "Xrayser II." in his suggestions for reform, and to associate myself with a near neighbour at Harrogate in further developing the theme. Doubtless it will not have escaped your contributor "Xrayser II." that, while he was discussing the shortcomings of our organisation, I, too, elsewhere was flogging the same horse. So precisely similar were our comments, that one wonders how two such criticisms could have appeared at the same moment. Nevertheless, I was gratified to find myself in such good company. Will he continue and help bring the issue to a fight? Nothing has struck me more in my association with chemists in Yorkshire than the weakness of the link that binds us to the "mainspring" in London. I am convinced that territorial representation will go far to solve the problem of the isolation of the units; that it will give us greater cohesion and more definitely develop "public opinion" among us on fundamental matters. I quite hope that other subscribers will ventilate their opinions on this subject. SIR,-I should like cordially to support "Xrayser II."

Yours faithfully, FRANK GLADSTONE HINES. York.

SIR,—In reply to "Xrayser II.'s" kindly and courteous criticism, I can only reiterate the plea for a thorough rather than a half-hearted and even doubtful reform. Surely we are all sufficiently alive to the limitations and drawbacks of territorial representation as practised in Parliamentary elections. Now, my proposition of proportional representation combines all the advantages claimed by enthusiasts for territorial representation with none of its drawbacks. The best clements of pharmacy would still be enthusiasts for territorial representation with none of its drawbacks. The best clements of pharmacy would still be at the service of pharmacy, and local men could be nominated in any number at each clection. We could then express our attitude with something like scientific exactness towards the distinguished pharmacist, whether residing in our own neighbourhood or 200 miles away; and our opinion of the "local nobody" could with equal ease and accuracy be carefully defined. We could balance our sense of distant and perhaps only slightly known merit against the appeal of local men well known to us. We should have a voice in choosing our own men equally with candidates living far away. In short, proportional representation is the most perfect possible way of choosing among candidates; and what a feather in our cap it would be for all time were we to establish this great electoral reform, all time were we to establish this great electoral reform, mot blindly or servilely apeing a worn-out Parliamentary method, but boldly and wisely establishing a plan of perfection on our own account. I have spoken before of perfection on our own account. I have spoken before of the necessity of resisting the temptation to be led away by catchwords. We must not now allow ourselves to be drawn from the path of reform by supposing that territorial representation is "progressive," to use an expression of which "Xrayser II." is very fond; for "progressive" is so often synonymous with reactionary, inefficient, and antiquated.

Yours truly, R. CECIL OWEN.

The Shortage of Assistant Pharmacists. Sir,-The depletion of our staffs referred to by your various correspondents is serious in many places, and the trouble is intensified by other and perhaps accidental causes. trouble is intensified by other and perhaps accidental causes. Since the year started three of our staff have been away on the siek-list for an average of six weeks each, and as our normal total during this period has been seven, it follows that the bulk of the work since January 1 has fallen on the shoulders of four mcn. We have not a great deal to thank the Insurance Act for; one result of the panel business is the long regarded than off work for what are tormed. ress is the long periods taken off work for what are termed slight ailments—at least, they never used to be thought very serious in my youth. A young man now stays at home very serious in my youth. A young man now stays at home for a cold for a term long enough in my apprenticeship days for an amputation. Although a premium apprentice myself, I should never have dared to stay off, nor, I think, would my parents have allowed me to do so, for such trifles as in the present days of "every boy his own doctor" are deemed worth a sustained absence from business. There can be no doubt that we have got healthier all round, but the advance is handicapped or seriously discounted by

this inconsiderate loss of time in the working hours. As I am writing, I should like to say that it will take more than one circular from the Home Office to shoppers to help The sooner pharmacists combine to curtail hours the better. All these young chemists who have enlisted will not come back with willingness to the long, heart-breaking hours they have left behind, and it would be well to arrivo at some compromise sooner rather than later. A few days ago I had one prescription before two o'clock and forty-two between two and eight o'clock, most of them in the after-noon. My experience of the public is that we all, from long practice and custom, combine to spoil them. I rather sympathise with your correspondent in Alberta. "While long practice and custom, combine to spoil them. I rather sympathise with your correspondent in Alberta. "While naturally polite," says he, "I hate servility": them's my sentiments. We very often border on the servile. I have mentioned this matter of hours, because many of us can go quietly on working for days, weeks, months, and years, as, in fact, many of us are obliged to do; but it is a silly business not to conserve our energies by means of proper recreation and rest.

Yours, etc.

Sexagenarian. (E116/17.)

Earlier Closing in Dublin.

SIR,-A movement is on foot in Dublin and surrounding SIR.—A movement is on 100t in Dubin and surrounding districts for carlier closing. A complete canvass was made through the medium of the local Association, and ultimately all chemists who have hitherto kept open extremely late agreed, with two exceptions, to close from June 1 at 10 P.M. Monday to Friday and 11 P.M. on Saturday. Large cards bearing notice of the change were issued for exhibition to the public in each pharmacy concerned. When the scheme materialised it was found that about half a dozen failed to keep their peledge and their neighbours are now, naturally. keep their pledge, and their neighbours are now, naturally, complaining. It would be interesting to have the opinions from your readers, especially hon, secretaries of local Associations which have had similar movements in the past, as to how to deal with the few who broke their promise and the two who refused to pledge themselves.—Yours faithfully,

HONOUR. (124/59.) faithfully, Dublin, June 5.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

English Bromine.

"In view of the present bromide 'famine,' are our own native brinc-springs (Droitwich, Northwich, etc.) deficient in bromide? If not, it would be interesting to know why they are not exploited."—E. Dangerfield (Weymouth).

Boots, the Chemists.

"It would be interesting to learn upon what principle the company known as Boots, Ltd., describe themselves as the chemists. If I were practising pharmacy, I would retaliate by advertising my firm as the qualified chemists. Verb. sup."—A Physician (126/64).

Appreciation.

"I have pleasure in enclosing cheque for the C. & D. during another year. While being indispensable from a business point of view, in my case the 10s. invested in the C. & D. is amply repaid by the money-prizes both it and its advertisers give for window-displays. In this way I find my hobby directly profitable, while indirectly it does increase business."—J. M. (97/52).

The "C. & D." Helps Buyers in South Africa.

A Rhodesian Chemist (109/9), in sending his renewal subscription, writes: "I am only too glad to renew the subscription, as I find the work full of interesting reading from cover to cover, to say nothing of all the pithy advertisements, which enable us here in far-off South Africat to keep in constant and close touch with all the latest ideas and most up-to-date firms in England and elsewhere."

Determination of Soluble Matter in Official Drugs.

"The ash of official drugs, we are told (see B.P. Preface, p. xiv), is calculated upon the dried sample—an awkward and not often a desirable proceeding. But where we are called upon to determine the amount of soluble matter present in a powdered drug—e.g., powdered gentian—it is not stated whether the calculation must be based on the dried sample or not-a matter of very great importance."-Abel Scholar.

Superpriced "Patents."

"Is it legal for Co-operative Societies to charge 1s. $2\frac{1}{2}d$. for 1s. $1\frac{1}{2}d$. patents? Should not a patent medicine sold at 1s. $2\frac{1}{2}d$. bear a 3d. patent-medicine stamp? If Co-operative Stores are made to observe the strict letter of the

law they will either infringe P.A.T.A. regulations or will have to give up the sale of all P.A.T.A. goods with a fixed minimum of over 1s. and 2s. 6d., if stamped, as few Co-ops. allow less than 2s. 6d. in the pound dividend."—

M. L. Griffiths (Tonyrefail, Glam.).

[The stamping point is interesting, but Veno's Cough-cure, 1s. 1½d., is stamped 1½d., in accordance with the price or value of the packet being 1s., and it is stamped by the makers, as the law requires. The Revenue authorities have no power to exact an additional duty from those who sells the article in Great Britain above the price of the medicine the article in Great Britain above the price of the medicine and the stamp.—Editor C. & D.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

R. S. (109/36).—FERTILISER FOR FERNS.—Ammonium sulphate is generally employed for this purpose, and is best used by itself. The customer is directed to dissolve a teaspoonful of the salt in the water-can and use it twice a week for watering the ferns.

Tara (108/5).—(1) Glycerin of tragacanth is the best excipient for the horse-ball containing ammonium carbonate. There is no objection to the use of ordinary demy wrappingpaper as a wrapping for horse-balls, even if the covering is not removed before administering the ball. It is, however advisable to remove the paper from the ends of the ball before administration, so as to facilitate the disintegrating action of the fluids of the body. (2) A "SWEATING" BLISTER is weaker than that generally employed, being designed to act as a counter-irritant.

. E. (115/63).—Perfuming Cinematograph-theatre. For this purpose an aqueous perfume is distributed in the theatre by means of a spray-syringe. We gave a formula for the perfume in The Chemist and Druggist. June 27. 1914, p. 104. See also "Pharmaceutical Formulas."

Dentist (110/41).-We are not able to supply you with particulars of the examinations held in the United States for dental degrees. Our last Educational Number gives information regarding the qualifications recognised in this country.

J. F. N. (171/11).—A pharmaceutical chemist of Ireland has no rank as such in the Royal Army Medical Corps. If he joins that Corps as a private, he may work himself up to the rank of sergeant, which is necessary for those who desire to be appointed compounders. You can get information as to the rates of pay at the nearest recruiting-office. Only a very small part of the work in the Corps is pharmaceutical.

W. R. B. (109/66).—Straw-hat Varnish.—The following are the two varieties of straw-hat varnish, the first recipe being for the kind that dries bright, the second for the dull variety:

I.	1
Orange shellac	3 lb.
Powdered resin	1 lb.
Benzoin	3 oz.
Spirit	1 gal.
Mix, and stir	
in the course of	a few days

until dissolved, then strain.

Orange shellac ... 15 parts
Powdered resin ... 25 parts Powdered naphthaline 1 part

Boric acid 5 parts Spirit Dissolve the shellac and resin in the spirit, strain, and add the other ingre-

dients. The black dye is made by adding spirit-soluble aniline black to either of the above bases in the proportion of 1 oz. to a gallon, the dye having been previously rubbed smooth with about 8 oz. of the base. The different coloured varnishes are prepared by substituting the appropriate dye for the aniline black indicated above. for the aniline black indicated above.

 $C.~F.~(118/55).-{\rm B.P.}$ Formulas in British Terms you will find in the $C.~d.~D.,~Diary,~1915,~{\rm beginning~p.~214}.$ Otherwise the quantities of preparations not named, or for which British equivalents are not given, are the same as in the B.P. 1898.

T. C. T. (107/17).—The amount of acetanilide added to hydrogen-peroxide solution for preservation varies from 1 gr. in 100 oz. (added in the course of manufacture) to 1 part in 2,000 of the finished product. The smaller quantity appears to suffice for the purpose.

Cheshire (111/51).—Supply of Oxygen to Insured Persons.—The Commissioners have ruled that oxygen is a drug, and may be charged to the Drug Fund (C. & D., October 11, 1913, p. 55). The London Insurance Committee pay for oxygen prescribed by panel doctors in reasonable quantities—that is to say, not more than one cylinder at a time. The Portsmouth Pharmaceutical Committee in January 1914 fixed the price of oxygen at 4d. per cubic foot for 20 ft. or less, and 3d. per cubic foot for over 20 ft. (C. & D., January 17, 1914, p. 57). You may follow the latter. latter.

M.P.S.I. (116/13).—THE GENERAL MEDICAL COUNCIL doesnot accept any Pharmaceutical Preliminary examination (either in whole or part) for registration as a medical (either in whole or part) for registration as a medical student, and it is not at present showing the slightest inclination to adapt the standard of its prescribed examination to these. When you ask what the Pharmaceutical Society of Ireland is doing, you forget that it is not that Society's business or the business of any pharmaceutical body to devise or encourage means for transferring personsfrom pharmacy to medicine. On the contrary, by so doing the Society may lay itself open to just criticism from within the pharmaceutical ranks. within the pharmaceutical ranks.

Confusion (120/26).—FLUSHING OF THE FACE AFTER MEALS-may be due to one of several causes, and we would suggest that the case you mention should be referred to a medical practitioner for diagnosis. It is probable that there is-nothing to be alarmed about, but it is always advisable when there are symptoms of abnormal circulation to take the proverbial stitch in time.

Femina (123/6).—The most reasonable charge to a medical man for the two prescriptions is on the Insurance Act basis—viz., 3d. as a dispensing-fee for each mixture and the prices of the ingredients, which are obtained by adding a third to the cost of each. As you are an Irish pharmacist, we give you the pricing: Sodii salicylat

Sodii bicarb. Spt. ammon. arom Inf. gent. co. ad Dispensing-fee	 	$ \begin{array}{rcl} 5jj. & = \frac{1}{2}d. \\ 5ss. & = 2\frac{1}{2}d. \\ 5viij. & = 1\frac{1}{3}d. \\ & 3d. \end{array} $
	 	1s. $1\frac{1}{2}d$. 3i. = $\frac{1}{2}d$. 3ij. = 1d. 3ss. = 2d. 3iss. = 1d. 3viij. = $\frac{1}{2}d$. $\frac{3}{4}d$.

These are reasonable prices.

J. L. P. (124/61).—Pharmacists and Medical Qualification.—See our report of the General Medical Council in C. & D., June 5, p. 46, which settles the matter.

Retrospect of Fifty Years Ago. Reprinted from "The Chemist and Druggist," June 15, 1865.

Gossip.

Mr. James Hunter has entered upon the business lately in the occupation of Messrs. Grant and Donald, chemists and druggists, 141 Union Street, Aberdeen.

A new shop-front in the mediæval style has just been executed by Messrs. G. Treble & Son for Mr. Dickens, chemist, Aylesbury. It is remarkable for lightness and elegance elegance.

elegance.
On the 17th ult. an entertainment was given to Mr. William Charity, the manager of the Wholesale and Export Drug Company (Limited), by his late employers, Messrs. Barron, Harveys, Becket, and Simpson, in one of the rooms of their extensive warehouse, which was tastefully decorated for the occasion. A handsome gold watch was presented to Mr. Charity in the name of the firm by Richard Barron, Esq. An elegant and valuable time-piece from all the persons employed by the firm was also presented to the late wavehouse-unager, as a mark of their esteem, and in late warehouse-manager as a mark of their esteem, and in recognition of the uniform kindness they had received at his hands during the past fifteen years. The task of presenting this splendid testimonial was most gracefully performed by Mr. Williams, the laboratory superintendent.

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By the use of our latest Back Pressure Filling Machines only half the usual quantity of Gas is used for the manufacture of the Highest quality Soda-water, either in Syphons or Bottles.

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reconciles with the dignity of the Chemist's business.

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Sodium Benzoate ex Toluol
Sodium Benzoate ex Gum
Sodium Bromide
Sodium Diethylbarbiturate
Sodium Dimenthylarsenate

Acetyl-para-amido Salol
Albumin Tannate

Amino-Benzoic-Ethyl Ester
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Beech Tar Formaldehyde
Benzol Soda Thymicobenzoate
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Diphenylamin Ethylthymyl
Benzoate
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Di-thymol Iodide
Ethyl-morphine Hydrochloride

Tannalbin
Anæsthesin
Ichthyol
Empyroform
Pyrenol
Bromural
Stypticin

Arhovin Veronal Aristol Dionin Ferri Albuminate
Hexamethylenetetramine
anhydromethylene Citrate
Menthol Valerianate ...
Methylacetanilide ...
Methyl-amino-oxybenzoate
Phenetidin Lactylate ...
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As a further precaution, it is advisable that the Syrup should be ordered in the original bottles; the distinguishing marks which the bottles (and the wrappers surrounding them) bear can then be examined, and the genuineness-or otherwise-of the contents thereby proved.

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The New Remedy in Amœbic Disease.—Vide British

Medical Journal, Aug. 24, 1912, pp. 405-408. Emetine for Hæmoptysis. Vide Press Médicale, Paris, September 24.—"The result is sur-

prising, hæmorrhage from the lung ceasing at once."—Prof. C. FLANDIN.

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@ 11d. lb.

"Acetylo-Salicyl. 1 lb. @ 28/- lb.
"Benz, B.P., 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
"Boric Pulv., 3 cwt. @ 40/- cwt.; 1 cwt. @
43/- cwt.; levigd. 3/- cwt. or id. lb. extra.
"Carbol. Xtls., 39/40; 12 1-lb. Bots. @
2/4 lb.; Single Bots. @ 2/6 lb.; Detached
Cryst. 1 lb. @ 2/7 lb.; Crude Black, 45
gall. casks @ 1/- gal.; 5 gall. drums
@ 1/4 gall.; 1 gall. tins @ 1/6 eacb.
"Citric Cryst. B.P., 85, 7 lbs. in Bags @
2/9 lb.; powder jd. lb. extra.
"Dietbylbarbituric, 1 oz. @ 3/6 oz.
"Gallic, pur., P.B., 7 lbs. @ 4/3 lb.; 1 lb. @
4/6 lb.

", Gallic, pur., P.B., 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.

*, Hydrocblor. Coml., cases of 4 2-gal. jars, 20/- eacb; 20 case lots @ 19/6 eacb.

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Oxalic Cryst., 1 cwt. @ 1/1½ lb.; 14 lbs. @ 1/2 lb.

Plospb. Dil., B.P., 7 lbs. @ 5d. lb.

Salicyl pulv. 1 lb. @ 11/6 lb.

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Sulpb. Aromat. B.P., 5 lbs. @ 3/9 lb.

Tannic, B.P., 1 lb. @ 6/- lb.

Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 2/- lb.; parv. ½d. lb. extra.

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Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.

Ærugo Æris Pulv., 14 lbs. @ 11d. lb. Aloes Barb., English ground, 28 lbs. @ 112/-cwt.;

7 lbs. @ 1/1 lb. Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.

Aloin, B.P., 1 lb. @ 4/9 lb.

Ammon. Benz., 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.

Ammon. Brom., P.B., 7 lbs. @ 5/6 lb.

Ammon. Carb. lump, 3 cwt. @ 43d. lb.; 28 lbs.

@ 6d. lb.; 7 lbs. @ 63d. lb.; powder, 3d.

lb. estra.

Ammon. Cblor., 99% pulv., 1 cwt. @ 44/- cwt.; 7 lbs. @ 6d. lb.; Batteries, 4/- cwt. extre. Amyli Pulv., 10 cwt. @ 16/- cwt.; 2\frac{1}{2} cwt. @ 16/8 cwt.; 1 cwt. @ 18/6 cwt.

Aniseed, English ground, 1 cwt. @ 68/- cwt.; 7 lbs. @ 8d. lb.

Antim. Nig. Pulv., 1 cwt. @ 84/- cwt.; 14 lbs. @

Antim. Tart. pulv., 7 lbs. @ 2/6 lb. Apiol, 1 lb. @ 34/- lb.

Bismuth, P.B., Carb., 28 lbs. @ 11/9 lb.; 7lbs. @ 12/2 lb.; 1 lb.@ 12/6 lb.; subnlt. 1/- lb. less

Campbor, English Flowers, "not artificial," 5 lbs. @ 2/4 lb., 7 lb. tabs., \(\frac{1}{2} \) oz., \(\frac{1}{2} \) oz., or \(\frac{1}{2} \) oz. @ 2/6 lb.

*Chlorodyne, 5 lbs. @ 2/3 lb.

*Cbloroform, pure, B.P., 12 8-lbs. @ 1/11 lb.; 8 lbs. @ 2/- lb.; 6 1-lb. bots @ 2/2 lb.

*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 1/11 lb.: Sinecroco, 6 lbs. @ 1/2 lb.

" Cincbonæ (Rubræ) Conc., 1-7, 6 lbs. @ 1/11 * ,, Senegæ Conc., 6 lbs. @ 2/7 lb.

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Bellad. B.P.C., Green @ 17/6; Cerat.
Saponis @ 7/6; Picis Co. @ 7/6; Piumbl
@ 6/-; Resinæ @ 4/6; Roborans @ 7/-;
Saponis, B.P., @ 6/-.
Emp. Picis, P.B., 7 lbs. @ 8\d. lb.
", Piumbl, P.B., 7 lbs. @ 8\d. lb.
", Resinæ, P.B., 7 lbs. @ 8\d. lb.
", Roborans, 7 lbs. @ 8\d. lb.
Emulsio Ol. Morrhuæ, 5 lbs. @ 1/- lb.
*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 2/- lb.; Bergamot, 2/6 lb.
*, Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6 lb.

Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.

Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/1 lb.; 1 lb. @ 5/5 lb.
*Ext. lpecac. Liq., P.B., 5 lbs. @ 21/6 lb.; 1 lb. @ 22/6 lb.

@ 22/6 lb.

Ext. Maltl c. Ol. Jecoris, 10 lbs. @ 6d. lb.

Ext. Quassiæ, Solid, 7 lbs. @ 7/- lb.; i lb. @ 7/6 lb.

Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @

*Glycerin. Acid. Boric, P.B., 6 lbs. @ 1/11 lb Acid. Carbolic, P.B., 6 lbs. @ 1/3 lb. , Acid. Tannic, P.B., 6 lbs. @ 2/3 lb. , Belladon, B.P.C., 6 lbs. @ 3/6 lb.; 1 lb. @ 3/6 lb.

*Glycerin. Boracis, P.B., 6 lbs. @ 1/3 lb.
Pepsin. Acid, P.B., 1 lb. @ 3/6 lb.
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Calumbæ Conc., 1 to 7, 6 lbs. @ 1/- lb.
Caryopb. Conc., 1 to 7, 6 lbs. @ 1/- lb.
Cascarilla Conc., 1 to 7, 6 lbs. @ 1/5 lb.
Cascarilla Conc., 1 to 7, 6 lbs. @ 1/8 lb.
Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
Resæ Acid. Conc., 1 to 7, 6 lbs. @ 2/2 lb.
Nesæ Acid. Conc., 1 to 7, 6 lbs. @ 2/2 lb.
Valerian Conc., 1 to 7, 6 lbs. @ 2/2 lb.

Lin. Aconiti Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.

", Bellad. Metb., 5 lbs. @ 3/8 lb.; 1 lb. @

" 3/11 lb. Campb. P.B., 40 lbs. @ 1/- lb.; 9 lbs. @ " 1/1 lb.

1/1 lb.

" Sapo Metb., 9 lbs. @ 7d. lb.
" Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
*Liq; Ammonii Acetatis Conc., 1-7, 6 lbs. @ 9d
lb.; 1 lb. @ 1/- lb.

" Ammon. Aromat,, 6 lbs. @ 10d. lb.
", Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @
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7d. lb.

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Plumbi Subacet., P.B., 7 lbs. @ '4d. lb. Strychninæ Hyd., P.B., 6 lbs. @ 1/7 lb. Tolut., pro Syr., 1-7, 6 lbs. @ 1/9 lb. Trinitrini, P.B., 1 lb. @ 6/1 lb.

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Ol. Wintergreen, Artificial, 5 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb.

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SPECIALITIES.—Cums Arabic and Tragacanth as imported or finely powdered.

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Cheapest Makers of Co-efficient Acids and Fluids,

HENRY ELLISON, LTD., CLECKHEATON, YORKS

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TOBACCOS! CIGARS! CIGARETTES!

Every known Brand at Manufacturer's own List Prices. Endless variety of Tobacconists' Fancy Goods & Shop Fittings. The Trade only supplied. Opening orders a Speciality. Send for Price List.

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With inscriptions in any desired
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"Beautifully made, and the inscriptions give them
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"Perfection of Cachets"—Lancet.
These Cachets are especially adapted for Headache, Neuralgia, and other powders

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Precipitated Chalk, Hyposulphite of Soda, Sulphite of Soda, Glauber Salts, Epsom Salts, Salts of Tartar, Alum, Sulphite of Lime, Sulphide of Sodium.

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Lightest and Whitest, also Purest Dense. APPLY TO

AUG. LEVERMORE & CO. Ltd., 8-10 Ct. St. Nelens, LONDON, E.C. Telegrams: "LEVERMORE LONDON." Telephone: 4613 Central.

Baines' Dielectric & Baines' Dielectric Emulsion

The newly discovered Dielectric Treatment for LOCAL PYREXIA in its various forms, including Pneumonia, Appendicitis, Neuritis, Rheumatoid Arthritis, etc. The greatest medical discovery of a century. All danger to life removed within a single hour in Pneumonia, Appendicitis, &c. This remedy is unequalled for rapidity of action in all forms of Local Pyrexia. Sold to the Medical Profession and Drug Trade only by DEIONS, LTD., 220 Tower Bridge Road, London. 'Phone: Hop 335. Telegrams: "Deionisers, Berm London." Berm, London."

CRAWSHAW CO., 56 Great Dover Street, S.E. ANILINE DYE MERCHANTS,

are still selling their well-known Aniline Dyes to retail in Penny Packets.

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TRY A DOZ. from your Wholesaler. IT SELLS A1!

(For Home & Export.) FARMER'S (Of all Wholesalers)

GAMEKEEPERS recommend it. Pots 3d., 6d., & 1/-THE RAT, MOLE, MOUSE & BEETLE POISON. F. FARMER & CO., 1a College Lane, Homerton, LONDON, N.E.

First-Class Mechanical

Reliable workmanship. Popular Prices. Moderate charges for Gold. D.A., Tubes, Seamless Gold Crowns, Sections, Vulcanite, &c. Asb's and D.M. Co. Teeth and Rubber guaranteed. Punctuality strictly observed. List free. Trial case solicited. Gold and D.A. work a speciality. Special cheap rates for showcase pieces, 18 years' experience of first-class mechanical dentistry.

E. C. HALDER, 46 New Cross Road, LONDON, S.E.

an Horn and Sawtell MAKERS OF LONDON AND NEW YORK-K-Y"LUBRICATING JELLY
IN COLLAPSIBLE TUBES AND OF
Van Horn"Sterile Sutures and Ligatures

IN GLASS TUBES - PRICES ON APPLICATION

81-33 HIGH HOLBORN, W.C.

WILL VERNON & SONS

Lister" Surgical Dressing Factory, NORTH ROAD, PRESTON.

MANUFACTURERS OF

Absorbent Lint, Cotton Wool, Bandages, Wood Wool, etc.

Telegrams: "SPINDLES PRESTON."

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Try JAMES TOMPKINS, LTD. Rubber Manufacturers, 386 CITY RD., LONDON.

ESTABLISHED 1877.





ALEXANDRE'S SHADEINE

FOR COLOURING GREY HAIR.

This popular article is largely advertised and stocked by all Wholesale Houses. TRIAL BOTTLES 6d. size, supplied on pretty showcards.

4/- per doz.; 3/6 size, 28/- per doz.

WESTBOURNE GROVE, LONDON,

Ulp=to=date Chemists

Should see that their names are on the monthly mailing list for Christy's Monthly. In this leaslet many valuable suggestions together with intimation of new lines will be found. Let us send you this month's issue, post free.

CHRISTYS, OLD SWAN LANE, E.C.

H. HAYWOOD, Ltd. Surgical and Athletic Appliance Manufacturers, Castle Gate, NOTTINGHAM.

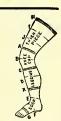
Surgical and Athletic Appliance Manufacturers,

CAPS, WATER-WINGS, ETC.

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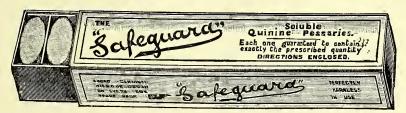
ELASTIC HOSIERY WITH OR WITHOUT SEAMS, SUITABLE FOR SUMMER WEAR. TRUSSES, SUSPENDERS, LADIES' & GENTS' BELTS MADE FROM POROUS MATERIALS, ELASTIC & LEATHER WRISTLETS, ARM-PIECES & ELBOW SUPPORTS, FOR CRICKET, TENNIS, GOLF & BOATING. GOODS FOR TOILET & SEASIDE TRADE, WASHING GLOVES, BATHING

INDIA-RUBBER APPLIANCES & DRUGGISTS' SUNDRIES.



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SOLUBLE QUININE PESSARIES



The "SAFEGUARD" Pessaries (of which we are sole proprietors) are compounded according to a formula which experience has shown to be absolutely the best for the purpose. Nothing but the purest drugs being used in them, they never fail, and can be recommended to customers with the utmost confidence.

PRICES.

s, d.

1 Dozen in Box, with directions in 3 Dozen lots Per Dozen Boxes

Special Quotations to Shippers and Wholesale Dealers.

5% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom. We are the right House for BRITISH-MADE GOODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery. Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cusnions, Waterproof Sheeting, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

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BRUNNER, MOND & Co.'S

Alkali Products.



Crescent Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

purest and cheapest sodium bicarbonate made.

Bicarbonate

of Soda. This Bicarbonate answers all the requirements of the British Pharmacopæia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the

Concentrated Crystal Soda. This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali.
58 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

Bleaching Powder. Carbonate of Ammonia

(Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.



OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JUNE 12, 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done PROVIDED the MONEY is TELEGRAPHED at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS



That is what advertisers in The Chemist and Druggist Supplement secure. Not in-

definite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade.

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PUBLICITY IT PAYS TO

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—FOR IMMEDIATE DISPOSAL.—Wholesale Drug Business, neluding good sale for Packed goods; returns £8,000; gross profit £2,000; about the value of stock and fixtures would be accepted. 2.—LONDON, S.W. (High-class Suburb).—Well-established conern; Retail and Dispensing; returns £1,200, formerly £1,400; he shop is exceptionally well fitted, has double-front, and is fully tocked; breakdown in health cause of sale; valuation of stock and fixtures and nominal sum for goodwill. FOR IMMEDIATE DISPOSAL.-Wholesale Drug Business,

nd fixtures and nominal sum for goodwill.

5.—MIDDLESEX (Few Miles Out).—Retail and Dispensing Busiess; returns last year about £1,500; profits good, fully up to be average; modern-fitted shop and convenient house; terms, aluation and small premium for goodwill.

4.—LONDON, W.—High-class Dispensing and Retail Business; stablished many years, and held by vendor upwards of 40, now etiring; returns £1,500; net profit £400 (proof given); very ood house; price about £1,250.

5.—BANKS OF THE THAMES.—Well-established Business, ituate in pleasant locality; returns £1,200; net profit 25 per ent.; price £800; the business is known to us, and we can ecommend it.

6.—LONDON. S.W. (Press. Main. Theory of the profit 25 per ent.)

6.—LONDON, S.W. (Busy Main Thoroughfare).—Good-class letail and Dispensing Business; established upwards of 50 years; eturns last year £928; gross profit 50 per cent.; well-appointed hop, with commodious house attached; no near opposition; price 800.

7.—EPPING FOREST (Near).—Ready-money Business; returns bout £1.000 yearly; net profit £300; rent £35; price £320, or coodwill £80, stock and fixtures at a fair valuation.

8.—INLAND HEALTH RESORT (Death Vacancy).—For immediate Disposal, an old-established Business, Retail, Dispensing, with some Photographic; returns about £800; scope for doing double under energetic management; well-fitted, double-fronted shop; large house; price about £700.

9.—SOUTH OF ENGLAND.—Retail and Dispensing Businets; returns, present rate, £2,000 per annum; modern shop, well fitted and attractive; terms, goodwill £125, stock and fixtures at a fair valuation.

valuation.

10.—HOME COUNTY.—Retail and Dispensing Business, with small appointment attached; returns £620; net profit £241; double-fronted, well-fitted shop; convenient house, private entrance; small garden; price £430.

11.—KENT.—Unopposed Country Business, Retail, Dispensing, and Agricultural; steadily increasing returns, now about \$600; net profit £212; roomy house, with garden and grassland; price

12.—SURREY (Main Line of Rail).—Established Business; held by vendor upwards of 20 years, now retiring; returns last year between £1,550 and £1,600; to effect a speedy transfer about £600 would be accepted.

13.—CORNWALL (Death Vacancy).—Situate in busy main thoroughfare; good-class Retail, with valuable Agricultural connection; returns £1,050, formerly £1,300; net profit £250; stock and fixtures estimated at £425; price £475.

14.—SUSSEX (Seaside).—Unopposed Business, situate in principal street in good watering-place; returns between £800 and £850; profits good; comfortable residence, with private entrance; price £285.

price £385.

.UATIONS

Assers. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

A RUSSIAN residing here is desirous of securing Agency or Perfume factory for export to Russia. Please reply, 115/7, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less: 6d. for every ro words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d**.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or no n de plume.

RETAIL.

BARNSTAPLE.—Unqualified Assistant wanted for Agricultural and General Retail business; no Photographic; good salary given to quick, smart, capable worker. Please give full particulars, references, salary required, etc., in first letter, and enclose photo (to be returned), Dyson, Chemist, Barnstaple, North Devon.

BATH,—Assistant required, with good Dispensing experience; outdoors; not eligible for military service preferred. Usual particulars, with salary required, to Williams, 25 Wellsway, Bath.

DIKMINGHAM.—Manager; qualified; must be experienced, used to modern Store business, and able to control staff. Apply, with full particulars, stating salary required, and enclosing recent photo, to Manager, Hedges (Chemists), Ltd., Dale End, Birmingham.

BLACKHEATH, S.E.—Gentlemanly Assistant wanted; qualified preferred; good Dispenser and Counterman; good salary and commission to reliable man; reasonable hours; Locum also required for 6 weeks from August 2. Full particulars, photo, etc., to Bailey, Pharmacist, 61 Old Dover Road, Blackheath, S.E. Telephone 673 Greenwich.

BLACKPOOL:—Assistant for Light Retail and Dispensing business; congenial surroundings; no heavy work. Full particulars, salary (outdoors), etc., to Greenwood, Chemist, Central Drive, Blackpool.

BOURNE END.—Qualified Manager wanted for good-class business; no duty or Sunday work. Pryce Jones, Cookham-on-Thames, Berks.

BRADFORD.—Smart, qualified man wanted for branch shop; good middle-class trade, with N.H.I. Kindly send full particulars, with references and when disengaged, also photo if possible, "England," Starbeck Hall, Harrogate.

PRIGHTON.—Wanted at once, thoroughly competent Assistant for modern Cash business; qualified or unqualified; know-ledge of Photography an advantage; easy hours. In first letter please state age, salary, and full usual particulars, send photo if possible, James, 13 Melville Road, Brighton.

BRISTOL.—Young qualified Assistant wanted; Dispensing (good class); easy position; comfortable home. Carte de visite, references, and salary asked to Edward Maish, Cotham Brow, Bristol.

BURNLEY.—Wanted, smart unqualified Assistant; one used to quick trade; state age, experience, and send references; permanency. M. Heaton & Son, Burnley.

CHELITENHAM.—Wanted immediately, two Assistants (indoors) for good-class Dispensing and Photographic business; no Insurance work. Please send full particulars, with photograph, to Beetham & Clark, Promenade, Cheltenham.

COLWYN BAY.—For July, August, and September, unqualified Assistant; over military age preferred, or otherwise ineligible for Army; good Dispensing experience and good references essential. Apply, E. A. Neill, Chemist, Colwyn Bay.

DUNDEE.—Immediately, qualified Assistant wanted as Branch Manager; lady or gentleman. State age, experience, salary required, and when free, enclose references and photo, to Lindsay, 111 Nethergate, Dundee.

TLKLEY.—Wanted, unqualified Junior, with some knowledge of Photography. Apply, giving references, age, and salary required, to F. A. Wilcock, Chemist, Hkley, Yorks.

LEICESTER.-Wanted, Assistant; unqualified; good Dispenser, Counterman; Mixed business; outdoors. Salary required, photo, Cleaver, Chemist, Leicester.

IVERPOOL.—Wanted at once for the Liverpool Hospital for Consumption, qualified Dispenser, to live out; duties light; hours approximately from 9 a.m. to 5 p.m., Saturdays to 1.30 p.m.; no Sunday or Bank-holiday duty; midday meal provided. Address, with references and stating salary required, to Secretary, 70 Mount Pleasant, Liverpool.

IVERPOOL.—Qualified Manager for Light Retail, Dispensing business wanted immediately; good opportunity for smart man. State salary. Apply, "S.," Clay, Dod & Co., 52 St. Anne Street, Liverpool.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him. LIVERPOOL.—Assistant Manager; unqualified preferred; outdoors; quick business; no Panel work; one haif-day, also one evening, off weekly; alternate Sunday duty, 4½ hours. Apply, "Pharmacist," (o Messrs. Hy. Jackson & Sons, Druggists' Sundriesmen, School Lane, Liverpool.

CONDON (Near).—Wanted, smart, gentlemanly Assistant; good Salesman and competent Dispenser; able to take charge in absence of principal; first-class references indispensable; qualified preferred; outdoor berth; reasonable hours and liberal salary. Apply, with photo and particulars of age, height, and remuneration expected, to Cooper, Chemist, Sutton, Surrey. N.B.—Good opening for gentleman seeking succession.

ONDON, N.—An experienced Assistant, also Junior or Improver; time off for attending lectures or study if desired; good opportunity to learn Dispensing. Apply (letter only, stating experience, names of references, salary expected (in- or out-doors), and when disengaged), "Chemist," 115a Stoke Newington Road, N.

LONDON, N.W.—Wanted at once, a competent Assistant, with good all-round experience, for a Dispensing and Photographic business; outdoors; also Junior; indoors. Apply, giving usual particulars and stating salary required, to T. J. Evans, Ph.C., 9 Royal Parade, Golders Green.

LONDON, N.W.—Wanted end of June, elderly qualified man; easy hours; outdoors. Apply, Evans & Co., 13 Turnham Green Terrace, W.

JONDON, N.W.—Wanted, Junior Assistant (indoors), with goodclass Dispensing experience. Apply, Elmer Pettinger, 30 Rosslyn Hill, Hampstead, N.W.

LONDON, N.W.—Reliable Junior for good-class Dispensing business; application from Lady entertained. Full particulars to William Brown, 1 King's College Road, N.W.

LONDON, S.E.—Lady Assistant wanted (outdoors) for quick Cash business, with knowledge of Dispensing; close Thursdays 1 o'clock; no Sunday duty. State age, experience, and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

L ONDON, S.E.—Unqualified Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State age, experience, and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

L ONDON, S.W.—Required, Counter Assistant in a large West-End house, of gentlemanly appearance and good address. Write, stating full particulars of past experience, to L. J., 443, Sells' Advertising Offices, Fleet Street, E.C.

L ONDON, S.W.—Assistant, with Dispensing experience, required at once. State full particulars as to age, references, experience, and salary required (indoors) to "K. B." (111/29), Office of this Paper.

LONDON, S.W.—Junior Assistant, young, exempt from military service, for good-class business; outdoors; application from lady entertained. Full particulars as to experience, salary required, etc., to Neve, 10 Victoria Parade, Norbury, S.W.

I ONDON, W.—Assistant wanted; one accustomed to West-End business preferred. Apply, personally or by letter, Rouse & Co., 12 Wigmore Street, W.

LONDON, W.—Wanted, an Assistant for the Dispensing Counter; one who has been accustomed to a high-class business; outdoors; three kept. Apply, with full particulars of previous experience, etc., to Mr. D. L. Lewis, Chemist, Ealing.

ONDON, W.—Qualified Manager required immediately for Light Retail and Dispensing business; permanency, with interest in the profits, offered to the right man. 111/307, Office of this Paper.

ONDON, W.—Capable Assistant, with Dispensing experience; outdoors. Write all particulars to save time to Harding, Chemist, The Avenue, West Ealing.

ONDON, W.—Qualified Assistant to sleep indoors. Application, by letter, giving particulars of experience, etc., to J. R. Walker, 36 New Cavendish Street, W.

LONDON, W.—Vacancy for good Junior, with previous Dispensing experience; outdoors. All usual particulars, mentionshary expected and when disengaged, to 111/32, Office of this Paper.

London, W.—Assistant required immediately for Stock, etc.; innqualified; moderate hours; good international experience in Dispensing and Retail. Reply, giving full particulars of age, experience, and salary required, to Mellin's Pharmacy, 48 Regent Etreet, London, W.

MANCHESTER.—Mottershead & Co., 7 Exchange Street, require a reliable unqualified Assistant for the Laboratory and Dispensing Department. State, in full, experience, age, and salary expected.

MANCHESTER.—Qualified Assistant; Mixed trade; workingclass district; Insurance Dispensing; weekly half-holiday; no Sunday duty; salary £3 per week; permanency to suitable applicant. Address, "Assistant," c/o Heath Bros., 27 Blackfriass Street, Manchester.

Manchester.—Elderly qualified man required; hours easy; very comfortable; permanency to the right man. "Elderly" (111/037), Office of this Paper.

MIDLANDS.—Wanted as soon as possible, qualified Assistant for N.H.I. Dispensing and Counter; easy position; permanency with good prospects; no Sunday duty; elderly man not objected to. State age, wages required, and usual particulars, 113/39, Office of this Paper.

NEAR LONDON.—Elderly qualified man as Supervisor in small business; light duties; short hours; in- or out-doors; would suit man in delicate health. Apply, stating salary, etc., 113/40; Office of this Paper.

NORTH LONDON (Suburb).—Junior, with some experience in Family trade; good Counterman, etc.; indoors; time off daily and Thursdays after 1 o'clock. Jenkin, Chemist and Optician 352 High Road, Wood Green, N.

NEAR MANCHESTER.—Wanted, unqualified Assistant; outdoors; must be good Dispenser and Counterman. Full particulase and wages required, 114/280, Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant for quick Cash business; must be smart, a willing worker, and good Salesman. Address, with full particulars, age, references, and photo, to 114/28, Office of this Paper.

NEAR MANCHESTER.—Wanted, young Lady for Dispensing and Counter. State age, salary, experience, and references, 114/028, Office of this Paper.

NEWQUAY, Cornwall.—An Assistant for a few months. Apply, giving all particulars, to Alfred Bond, The Pharmacy, Newquay, Cornwall.

NORTH LONSDALE HOSPITAL, BARROW-IN-FURNESS.—Wanted immediately, for the duration of the war, qualified Dispenser and Bookkeeper; hours of duty 8.30 a.m. to 5 p.m.; salary at the rate of £120 per annum. Applications, accompanied by copies of two recent testimonials, to be sent to the Secretary.

ROMFORD.—Competent Assistant, with some knowledge of Photography and Store business; exceptional terms to a really suitable man; also Junior or Improver. Apply, W. S. Steeples, 28 Market Place, Romford, Essex.

ST. AUSTELL.—Lady Assistant for good-class Dispensing, Photographic, and Retail business; comfortable berth where time for study can be arranged; private sitting-room and bedroom; easy hours. Apply, with full particulars, F. Pettifer, The Amdla, Newquay.

SHREWSBURY.—Junior Assistant required; outdoors; easy hours; no extra or Sunday duty; please give full particulars and salary required in first letter, and say when disengaged. Apply, A. Williams, Chemist, Castle Street, Shrewsbury.

SOUTH COAST.—Assistant required; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—A thoroughly reliable unqualified Assistant or Junior required immediately for quick Cash Trade; one with knowledge of Photography preferred; hours 9 to 8.30, Saturday 10.30; no Sunday duty; salary 35s. per week. Apply, giving full particulars of experience, age, height, etc., photo if convenient, to Francis, Chemist, New Tredegar.

CTAFFORDSHIRE.—Qualified Chemist to Manage Light Retail and Dispensing business; also capable unqualified Junier Assistant. Applicants for both positions must supply particulars of experience, age, and salary required in first letter, 111/17, Office of this Paper.

STOWMARKET.—Assistant required; quick and accurate Dispenser; alternate Sunday duty. Give references and state salary required, Thos. Wilson, Chemist, Stowmarket.

S.W. -WILLIAMS & ELVEY, West Halkin Street, Belgrave Square, want a qualified Assistant; outdoors. Usual particulars to 8 West Halkin Street, S.W.

TORQUAY.—Assistant required, having good Dispensing experience. Apply, E. Quant, Torbay Pharmacy, Torquay.

WINCHESTER.—Qualified Manager wanted immediately; outpreferred. State full particulars, with photo, salary required, etc., in first letter, Eldred & Inge, 155 High Street, Winchester.

YORKSHIRE.—Elderly qualified man required; Yorkshire (West Riding); easy hours; work light; permanency. State age, when at liberty, and salary desired, 111/370, Office of this Paper.

COMFORTABLE position, with good remuneration, can be offered to an energetic Junior wanting experience and willing to make himself serviceable. W. Bates & Co., Ltd., 50 Oxford Street, Southampton.

A RETIRED qualified Chemist who is wanting a comfortable home in the country and a small salary should communcate transcriately, stating salary required and any other particulars which may be useful, to "Congenial," c/o Messrs. Maw, Son & Sous, 7-12 Aldersgate Street, London, E.C.

AN Assistant wanted immediately for holiday duty; good Disgraphy essential, All particulars first letter to Cruse & Co., Ltd., Chemists, Southsea.

A SSISTANT, unqualified, required for Stock and Counter; outdoors; usual half-holiday; no Sunday duty. State salary required, with references, to J. Patterson, 52 Ilford Lanc, Ilford.

A SSISTANT wanted at ouce; easy hours; no Sunday duty; hours 8 to 8 Monday, Tuesday and Wednesday, Friday, Saturday 9.30; salary £2. Newton & Co., Yeovil.

A SSISTANT; unqualified; 40s. to 50s. (outdoors); man of 40 to 50 not objected to if active; no Sunday er night duty; chiefly for Dispensing and Counter. Please state age, height, photo if possible, salary required, references, and when disengaged (fare paid to Thetford), H. J. Bromhall, 10 King Street, Thetford.

A SSISTANT (male or female) in good-class Dispensing business, which prepares own Galenicals, etc.; must be unfit for military service. Apply, stating salary required (outdoors), etc., to W. H. Fowler & Co., Pharmaceutical Chemists, Redhill, Surrey.

A SSISTANT wanted; hours 9 to 9. p.m., Thursdays 1 p.m., Saturdays 10 p.m.; alternate Sunday duty 6 to 9 p.m. 112/24, Office of this Paper.

A SSISTANT wanted, male or female, qualified preferred, to manage branch, with house attached, in nice suburbanneighbourhood; easy berth. Apply, Thomas, Chemist, Cowbridge Road, Cardiff.

A SSISTANT Dispenser required for Veterinary Hospital; salary 40s, per week, no rations or other allowances; hours average; 8 daily, 7-day, week; undeniable references required. Send full particulars to Calpine, 16 Camelford Road, Bristol.

BRADY & MARTIN, LTD., have a vacancy for a qualified Assistant for the Dispensing and Retail Counter; indoors; application from a lady (outdoors) would be entertained. Apply by letter, Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

CAPABLE Assistant; unqualified; outdoors; male or female.
Apply, stating agc, height, and salary required, Taylors'
(Northern) Ltd., 4 Crown Street, Halifax.

COMPETENT Assistant wanted, soon, in Dispensing and Retail business (outdoors). Apply, with full particulars, A. E. Hobbs, Pharmaceutical Chemist, Tunbridge Wells.

DISPENSER and Bookkeeper wanted; young lady; qualified; Panel Practice; Bookkeeping and private Dispensing; Surgery hours 9.50 to 11.30 and 6 to 9; board in midday, provide own apartments. Address, letters only in first instance, stating age and salary required, reference, Dr. Rhodes, 308 Queen's Road, Battersea Park, Loudon, S.W.

EXPERIENCED Assistant required for good-class Retail and Dispensing business; must be a reliable Dispensor; outdoors; no N.H.I. work. Apply, giving references, experience, and salary required, to J. W. Moorhouse, Pharmacist, Barnsley.

FINE opportunity for a qualified man with up-to-date business methods to obtain a comfortable berth; Light Retail; good salary and commission to competent man. State age, experience, etc., and enclose photo if possible, 112/40, Office of this Paper.

IMPROVER or Turnover for Country business in West of England; outdoors, but all meals provided in business hours; no Sunday or Bank Holiday duty; whole holiday monthly; weekly half-holiday Thursday, when breakfast and dinner ouly are provided; good opportunity for one desirous to learn; no heavy trade. State salary required and send photo, "Achrematic" (110/21), Office of this Paper.

JUNIOR or Improver wanted (outdoors) for good-class Dispensing business; easy hours. Full particulars and salary required to Dring, Chemist, Teignmouth.

JUNIOR or Improver wanted; reasonable hours. State age, experience, and salary required; R. Needham, Chemist, Stalybridge.

JUNIOR Assistant (indoors), about 19; knowledge of Photography. Full particulars, age, height, salary, etc., with photo, to W. H. Woodman, Pharmacist, Burnham, Somerset.

LADY Dispenser required, temporary, for month from middle July, for Doctor's practice in Putney district. Write, "Dispenser," 56/9, Bunhill Row, E.C.

LADY Assistant urgently wanted, with good Dispensing experience; good salary and reasonable hours. Apply, "Kent" (110/5), Office of this Paper.

ADY Dispenser required at once by medical man; Dispensing qualification; live out; good references; hours and work not heavy; country town; no bookkeeping. State salary required, "A. Z." (108/35), Cffice of this Paper.

ADY Pharmacist wanted at once for Dispensing Department. State age, experience, and salary required to G. T. W. Newsholme, Ltd., Chemists, 27 High Street, Sheffield.

LADY Dispenser required. Apply, Lewis & Burrows, 146
Holborn Bars, E.C.

LEWIS & BURROWS require a competent Assistant for Westtend Pharmacy; outdoors; no Sunday or night duty; liberal salary. Apply, giving full particulars of experience, to 146 Holborn Bars, E.C.

LOCUM, qualified, for one month late August and early September. State terms and references, Stokes, Chemist, Eastville, Bristol.

OCUM or Permanency Manager, qualified, for a shop situated in fair locality of Sheffield; light work and easy hours, good opportuity for one with ability; half-day holiday. Apply, stating salary required and enclosing usual testimonials, to Tibbles, 181 Whitham Road, Sheffield.

OCUM Dispenser wanted for the Royal Infirmary, Sheffield, for four weeks from July 5 to 31 inclusive; dinner and tea provided; hours 9 to 5; Hospital experience desirable. Write, stating terms and all particulars, to the Pharmacist, The Royal Infirmary, Sheffield.

MANAGER, M.P.S., required for Country Pharmacy; comfortable living; full control; liberal terms; option to purchase; first-class credentials must be produced; no objection to middleaged man. Write, Dudeney & Johnston, Ltd., 33 High Street, Bedford.

MANAGER of Drug Store wanted, unqualified, for London branch; outdoors; permanency; salary and commission with bonus on profits; must be good Salesman and Window-dresser; London experience essential. Send full particulars of age and last few years' experience to Mr. Stevens (113/23), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

PART-TIME; suit student; comfortable berth; sleep on premises.

Apply, personally, Tate, 7 Belgrave Mansions, Victoria, S.W.

PHARMACIST offers hospitality to another for few hours' assistance daily; elderly preferred. "H." (112/2), Office of this Paper.

PHOTOGRAPHIC.—Wanted, smart Assistant, to take charge of Developing and Printing Department; able to organise, and with knowledge of Photography; great prospects for suitable man. Watson's, 84 High Street, Sheffield.

PROPRIETOR of small Pharmacy, who has obtained a commission and is going to the war, requires middle-aged gentleman to take charge; light and easy work; qualified or unqualified; a very comfortable berth for anyone requiring light employment. Apply, "Urgeut" (127/45), Office of this Paper.

QUALIFIED Locum-Dispenser required for Friendly Societies' Medical Institute, Northampton, for 2 weeks, from July 5 to 18 inclusive; hours 9 to 11 morning, afternoon 1 to 3, evening 5.50 to 7.30, Sundays 2 to 2.30. Write, stating terms, qualification, etc., to the Dispenser, 157 Colwyn Road, Northampton.

QUALIFIED Assistant wanted for the Dispensing Counter; outdoors. Keply to "F. W. G.," Allen & Hanburys, Ltd., 7 Verc Street, W.

QUALIFIED Manager for Light Retail business; been well looked after; excellent opportunity for married man desirous of settling down; good agreement with interest in the profits offered; not far from London. 111/37, Office of this Paper.

QUALIFIED Locum wanted; outdoors. Gill & Son, 57 Broad Street, Pendieton, Manchester.

QUALIFIED.—Vacancy occurs for "Minor" man with good experience in quick London business; progressive position if willing and energetic. State age, height, salary required (outdoors), whether married or single, when disengaged, and particulars of experience to 125/049, Office of this Paper.

UALIFIED, to take charge good Retail Dispensing; indoors preferred; Lancashire town; good salary to suitable man. Full particulars, 111/2, Office of this Paper.

QUALIFIED Chemist required for Dispensing duties; no Counter work; short hours; permanency; outdoors; commencing salary 57s. 6d. weekly. State age and fullest details, previous appointments, to Junior Army and Navy Stores, Ltd., Aldershot.

QUALIFIED Assistant for Country Wholesale and Retail; out-doors; single; short hours; must be good Salesman; state age, height, and experience, with references and salary required; 4 others kept. Thos. Leieester, Chemist, Burslem.

EASIDE.—Assistant wanted, with good business abilities and reliable; can offer an interest in the business to a suitable gentieuan if desired. Please state age, experience, salary in or out-doors, and references, enclosing photo if possible, Bevan, Pharmacists, Harwich, Essex.

MART young man wanted as Junior Assistant; must be good Salesman and Window-dresser, with a knowledge of Photography; salary 37s. 6d. per week and commission; also first-class Senior Assistant; salary \$\frac{1}{2}\$ 10s. per week and commission. Apply, stating fullest particulars, to 112/01, Office of this Paper.

MART qualified Assistant required to take Management of brisk Retail. Write, stating experience and salary required, to 114/300, Office of this Paper.

MART Junior Assistant of good address (outdoors) for quick Retail; easy hours; weekly half-holiday; no Sunday duty. Apply, with usual particulars, to S. H. Oliver, Messrs. Walter Gregory & Co., Wellington, Somerset.

OUTHALL'S, Birmingham, require a qualified or unqualified Assistant for Dispousing Counter. State full particulars, including salary required.

THOMPSON & CAPPER'S have a vacancy for a qualified Manager for a Yorkshire branch. Send full particulars and photograph, if possible, to Mauesty Buildings, Collège Lane, Liverpool.

UNQUALIFIED Junior Assistant at once; Dispensing, Photography, and Counter; permanency; also temporary Assistant for July, August, and September; unqualified. Apply, R. E. Pearce, Chomist, Newquay, Coruwall.

NQUALIFIED Manager, Branch shop (lock-up), Fulham; middle-class trade; quick Counter trade ovenings; reliable, trustworthy; permanency; immediate; must have good references from recent situations. State expérience, references, and salary required, time for interview, and when at liberty, "Chemist," 66 Lower Richmond Road, Putney.

"NQUALIFIED Assistant wanted for permanency; good allround-man; must bear good references; personal application preferred. M. Matz, M.P.S., 5 Bury New Road, Manchester.

UNQUALIFIED, about 25; outdoors; cash trade and Photographic. Kindly send full particulars, with photo, H. G. Williams, 118 The Moor, Sheffield.

UNQUALIFIED Assistant (outdoors) required for good-class Dispensing and Photographic business at South Coast resort. Apply, with full particulars, to Longman, Chemist, Beach Road, Littlehampton.

UNQUALIFIED, good Counterman, required; permanency. State age, commencing wages required, and details of previous experience to Manager, Junior Army and Navy Stores, Ltd., Aldershot:

UNQUALIFIED; age about 25; Counter and Dispensing, including N.H.I.; good-class business. State salary required and experience, Vince, Pharmaoist, Lancaster.

NQUALIFIED Manager, and also an Assistant, both outdoors, for Dispensing and Photographic businesses, London, S.E. Apply, "Pharmacist" (113/29), Office of this Paper.

NQUALIFIED Assistant required for London, with all-round Dispensing, Counter, and Photographic experience; good salary to suitable man. Apply, giving full particulars, which will be treated in confidence; to 125/49, Office of this Paper.

WANTED, a thoroughly reliable Junior; outdoors; one with some knowledge of Dentistry, able to Extract and take Impressions, preferred; hours reasonable; weekly half-holiday. Send full particulars, references, height, salary required, etc., to A. Smith, Chemist and Dentist, 5 High Street, Newport, Mon.

WANTED, qualified Assistant (male) for 9 weeks commencing July 2; hours 9:to 6; salary £2 5s. per week; 2 hours' duty every third Sunday. Apply, "Pharmacist," West London Hospital, Hammersmith, W.

WANTED, Assistant, lady or gentleman, in- or out-doors, with Dispensing experience, to take the place of one enlisted; comfortable home and surroundings. Apply, personally if possible, at any time, and if by letter, with fullest particulars as to salary, references, etc., enclosing photo if convenient, Pelham Young, Pharmacist, Hounslow. Phone 153 Hounslow.

WANTED in a month's time, Senior Assistant, for Light Retail, Dispensing, and Photographic trade. State full particulars as to experience, etc., to Jno. H. Smith & Co., Chemists, Newark.

WANTED, young Lady Assistant, age about 21, for Counter and to assist with Dispensing; qualified lady kept. Please state salary and references, etc., to T. Charles, Chemist, Burslem.

WANTED, an Assistant, about 23 or 24, with experience in good-class trade; must be neat and accurate Dispenser. J. Bletsce, Chemist, Richmond, Surrey.

WANTED immediately, qualified Lady Assistant; Retail experience essential. Send particulars, with salary required (indoors) and photograph, to Miss Horniblow, 4 Queen's Buildings, Llandudno.

WANTED, Lady Assistant for Retail business; with knowledge of Dispensing preferred, but not essential. Apply, Culverwell & Hawkins, Minchead, Somerset.

WANTED, a competent and trustworthy Assistant for goodclass Light Retail and Dispensing business; outdoors. State age, height, salary required, etc., J. Palmer, Pharmacist, Oxford.

WANTED at once, qualified and unqualified Assistants, male or female (outdoors), for up-to-date Dispensing business. Apply, with full particulars as to age, experience, and salary required, to C. Breese, 73 Mitcham Lane, Streatham. 'Phone, 446 Streatham.

WANTED immediately, an experienced Assistant; in- or outdoors; middlo-age or elderly man not objected to. Apply, giving full particulars, salary required, etc., to T. Johns, Chemist, 73 High Street, Gravesend.

WANTED at once, qualified Manager for Branch; North Wales watering-place; rooms attached; married preferred; Welsh not essential; must be steady, and have excellent references; well suited for one desiring permanency. Apply, stating age, experience, salary, etc., to "Chemicus," c/o British Drug Houses, 22-30 Graham Street, City Road, London, N.

WANTED immediately, a Junior Assistant or Improver for good-class business; indoors; comfortable home; easy hours; very little Insurance work and no Sunday duty. State salary required, references, etc., J. Evans, 28 Agincourt Square, Monmouth.

WANTED, smart, reliable Assistant; also Lady Dispenser of experience. Apply, Ralph Cuthbert, Ltd., Chemists, Westgate, Huddersfield:

WANTED immediately, two Assistants used to Dispensing; short hours; half-holiday weekly; no Sunday duty. State experience and salary expected (outdoors), F. W. Goodess, Pharmacist, 25 Market Street, Leicester.

WANTED, an energetic and reliable Assistant; must be good Dispenser and have knowledge of Photography; easy hours; half-holiday weekly; no Sunday duty; good salary to suitable man. Please write, stating full particulars, to Arden, Pharmaceutical Chemist, Winchester.

WANTED, unqualified Assistant; one accustomed to Oils and Colours; age 40 to 50; good wage. Apply, Sowerby, 5 North Street, Middlesbrough.

WANTED at once, qualified Assistant; Dispensing, Counter, and Photographic. Apply, with references and full particulars, Sangster, Chemist, Hampstead, N.W.

WANTED, Manager to take charge of business from 6 till 10. Call 146 Southampton Street, Camberwell, S.E., from 9 till 12, 3.30 to 6; can start immediately.

WANTED, an unqualified Assistant in a good-class Dispensing and Family Retail business; easy hours; in or out-doors; Sunday duty slight, and no duty after business hours. Apply, Mr. Nosworthy, 1 Baron's Court Road, W. Kensington, W. 'Phone; 2030 Kensington.

Young Lady Dispenser required at once, to take the place of an Assistant in a small business; must be accustomed to serving at the Counter and also have a slight knowledge of Photography; salary 30s. per week and commission. Apply, stating fullest particulars, to 112/1, Office of this Paper.

45/- per week; Counter Assistant with a good general knowledge of the business wanted for quick cash trade. Apply, giving particulars as to age, experience, references, and when disengaged, to Bishop & Vinceut, 460 Holloway Road, London, N.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

MIDLANDS.—Clerk, Junior Invoice, required by large provincial Drug and Sundries house. Address, stating age, experience, and salary required, 124/53. Office of this Paper.

SOUTH COAST.—Wet Counterman required; permanency; good wages. Please state age, experience, etc., Timothy White Co., Ltd., Portsmouth.

SOUTH COAST.—Dry Counterman required; permanency; good wages. Please state age, experience, etc., Timothy White Co., Ltd., Portsmouth.

SOUTH COAST.—Warehouseman or experienced Light Porter required at once. Write, with full particulars, salary required, etc., 114/30, Office of this Paper.

A FIRM Manufacturing a branded and own-name Eau de Cologne Toilet Speciality Perfume, etc., are open to appoint Representative; salary and commission. Please state ground covered and names of firms represented to "T." (111/15), Office of this Paper.

A FIRST-CLASS firm of Wholesale Dealers and Manufacturers of Chemists' Sundries have a vacancy for a smart, well-educated young man in the Despatch Department; one with good knowledge of Chemists' requirements, able to exercise adequate supervision over staff and stock, and to deal with correspondence relating to the department will find this a good opening. 121/64, Office of this Paper.

DRY Counterman; experienced; permanency if suitable; by a provincial Wholesale house. State age and if married, experience, wages, and when disengaged, 115/32, Office of this Paper.

EXPORT Invoice Clerk wanted; one accustomed to Consular work preferred. Apply, by letter, stating full particulars and salary required, to "R. L." (Contracts), 7-12 Aldersgate Street, E.C.

GOOD Pillmaker wanted by London firm. Write, stating previous experience and wage required, to 102/07, Office of this Paper.

INVOICE Clerk wanted immediately in Wholcsale Department. State age, present and former situations, and experience, references, salary required, and when at liberty, enclosing photo if possible, Reade Bros. & Co., Ltd., Wolverhampton.

MANAGING Clerk required in London office Chemical Merchants and Manufacturers; good knowledge of trade essential, and man who can influence new business preferred; applicants must give full particulars and state salary required; all replies treated in strict confidence. 115/3, Office of this Paper.

OLD-ESTABLISHED Wholesale Druggists, South London, have vacancies for an Assistant in Manufacturing Laboratory; for a Packer; also for Pill-maker. Write particulars to 126/38, Office of this Paper.

PACKERS (two) and also a Checker required for a Druggists' Sundries house in the City. Write, with full particulars as to experience, age, and wages required, to 114/18, Office of this Paper.

QUALIFIED Chemist wanted by London Manufacturing firm; age 25-30; previous experience in Wholesale not actually necessary. Write, stating salary required and previous experience, to 102/700, Office of this Paper.

 ${f R}^{
m EQUIRED}$ by a Wholesale firm of Druggists, an experienced Packer for one week. State wages, etc., 110/33, Office of this Paper.

SEVERAL experienced Representatives wanted, with a live connection among Institutions; salary and expenses; must have a good selling record. State what ground covered and salary required, 114/15, Office of this Paper.

SMART and energetic Lady Typist required for Invoice Department of Wholesale Drug Merchants' office; must be quick at figures and not afraid of work. Full particulars to 127/44, Office of this Paper.

SPANISH-SPEAKING Pharmacist, to travel in Spain, wanted by important firm, Manufacturing Chemists; young, energetic, and well informed. Apply, 126,49, Office of this Paper.

TABLET-MAKERS and good Granulators wanted by London firm. Write, stating previous experience and wage required, to 102/7, Office of this Paper.

TOILET Preparations, Face Creams, and Hair Washes.—To assist in Manufacturing Department, man (or woman), with some experience of similar work; one with ability to create fresh recipes preferred; permanency and good prospects for steady, reliable, and methodical person. State experience and salary required, 125/47, Office of this Paper.

VETERINARY.—Representatives having sound connections amongst Veterinary Surgeons are offered a high-class non-competitive Speciality on commission. Reply, "J. C." (109/37), Office of this Paper.

WANTED, a Junior Assistant for Instrument Department. Applicants please state agc, experience, and salary required, to R. Sumner & Co., Ltd., Hanover Street, Liverpool.

WANTED, to Represent a Manufacturer of Saponified Cresol and Disinfectants in London, energetic Salesman with connection among Wholesale and Retail Chemists and Exporters; liberal terms. Apply, stating age, experience, and salary expected, 125/1, Office of this Paper.

WANTED at once, experienced girl to pack Perfumery and Proprietaries. Apply, S. F. Goss, Ltd., 134 Kensington High Street, W.

WAREHOUSEMAN required, about 30 years, with knowledge of Proprietary articles. Write fully, L. J., 442, Sells* Advertising Offices, Fleet Street, E.V.

WET and Dry Counter hands required. Apply, Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham.

 $W^{\rm ET}$ or Dry Counter hands wanted, with some experience; also Porter, age 18-20. Apply, stating full particulars of age-experience, and wages expected, to 114/16, Office of this Paper.

SITUATIONS WANTED.

is, for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

SUITED SAME DAY.

"Accipitres," 39 Monk's Road, Lincoln, thanks all the gentlemen who have replied to his advert, of last week. A position was found same day as published (111/10).

A SSISTANT; 19; four years' experience. State salary, Dormor, Cranley Farm, Eye, Suffolk.

CAPABLE qualified Manager, good Prescriber and Extractor, requires position; Kent preferred. 110/370, Office of this Paper.

COMPETENT, energetic Assistant or Branch Manager; middleaged; Extractor and Prescriber. 152 Sheringham Avenue, Manor Park, Essex.

DEVON or Cornwall.—Temporary, quick Dispeuser; young; 10 years' all-round experience. Terms to "Locum," Normanhurst, Heston Road, Hounslow, Middlesex.

ISENGAGED: qualified; 28; sound Dispensing experience; can accept position immediately. "Statim," 9 Oseney Crescent, reden Town, London.

ISENGAGED; Locum; excellent references; qualified; moderate terms. 115/6, Office of this Paper.

ISPENSER: 36; married; abstainer; unqualified; reliable; incligible for Army (certificate); mostly Hospital, Doctor's perience, little shop experience; height 5 ft. 9½ in.; 10 years t place; good references; free now. Cameron, c/o 23 Abbey ad, Cambridge.

ISPENSER, Bookkeeper, Surgery Attendant, good references, disengaged, seeks position with medical man in Lancashire. 3'53, Office of this Paper.

LDERLY: unqualified; full time; active. "Chemicus," 17 Vicarage Road, Handsworth, Birmingham.

VENING work or any other occupation; qualified; single; middle-aged; small salary. "Settle" (114/24), Office of this

XPERIENCED Dispenser, middle aged, disengaged; Locum entertained. Place, 105 York Road, Montpelier, Bristol.

NSUBANCE Dispensing or Doctor; London; experienced; mornings, evenings; very small salary required. 115/4, Office of its Paper.

UNIOR; 20; seaside or inland; Yorkshire preferred. Atkinson, York Terrace, Whitby.

ADY requires Dispensing; evenings; London. "D. D.," c/o

ADY; aged 22; 6 years' experience, Front Counter, Photography, N.I. Dispensing; 4 years last situation. "E. A. M.," 48 Wardo Avenue, Fulham, S.W.

ADY Dispenser; outdoors; S.E. preferred; Laboratory, Chemist, Doctor. "Clerking," 19 Ommaney Road, New Cross.

ADY Dispenser, Hall, 8 years' experience, requires post. 112/27, Office of this Paper.

OCUM; unqualified; 5 years' experience; disengaged July 31; 40s. indoors, 55s. outdoors: 109/27, Office of this Paper.

OCTM; Manager; 28; tall; good experience and reference, married; abstainer. Please state salary and particulars, M.P.S.," 6 Meridian Terrace, Gloucester Road, Bristol.

OCUM, 26, qualified, ineligible, open for dates; 12 years' experience. "Pharmacist," Glaslwyn, Llansamlet, Glam.

OCUM; temporary; 42; Dispensing, Counter, Photography. Howes, 15 Hexthorpe Road, Doncaster.

OCUM; qualified; experienced; reliable; Optics. "Chemist," 126 White Hart Lane, Barnes.

OCUM; disengaged few days; reliable; experienced; good references. "Rhei," 51 Retreat Street, Wolverhampton.

OCUM or Manager; good experience and references; qualified. "Chemicus," 493 Seven Sisters' Road, N.

OCUM; 14 years present employer; disengaged 28th. Wadsworth, 23 Como Street, Romford.

OCUM; moderate terms; qualified; good references; energetic. 8 Windsor Crescent, Mannamead, Plymouth.

OCUM; unqualified; abstainer; well recommended; London. "L.," 28 Sydney Street, South Kensington.

OCUM-WORK.—Experienced woman Pharmaeist free for engagement, June 28 to July 28. Apply, 127/62, Office for this Paper.

MANAGER or First Assistant, advertiser, 32, unqualified, married, unfit for Army, 6 years' manager of good-class usiness (trebled the returns), desires permanency, where there is scope to increase business preferred; expert window-dresser and salesman; fully experienced in Dispensing, Photographte, furgical, Optical, and Prescribing work. Apply, "Chemicus" 110/22), Office of this Paper.

MANAGER; qualified; 48; married; first-class London and provincial experience; outdoors preferred; latter end of als. 112/20, Office of this Paper.

MINOR Student requires Part-time berth; London or provinces; near School of Pharmacy; Dispensing, etc. 114/19. Office of Paper.

MINOR man; 42; siugle; live at premises if possible; any eapacity; nominal salary. "Codex" (414/240), Office of this

NORTH LONDON.—Qualified man desires small post; net in business recently. "Spes" (114/024), Office of this Paper.

NOT eligible for military service; unqualified Assistant desires permanency; excellent references; exceptional Counter hand; 12 years' Retail experience. Darville, 675 Holloway Road, N.

PART-TIME required by Dispensing Assistant; 1 day or 2 evenings weekly. State terms when writing, "Dispenser" (23/180), Office of this Paper.

PERMANENCY desired where good services would be appre-oiated; unqualified; married; no family. 113/22, Office of

PHARMACIST (married) desires sole. Management of business, with a view to succession on easy terms preferred. "Chemicalis" (110/18), Office of this Paper.

PHARMACIST (37), thoroughly experienced and reliable, abstainer, booking engagements ahead for few days occasionally during summer to relieve Principal or Senior Assistant. 112/23, Office of this Paper.

QUALIFIED; London and Lancashire experience; age 36; steady habits; any district; excellent references; not afraid of work or hours. Apply, 105/38, Office of this Paper.

QUALIFIED Chemist (38) desires Locum work; abstainer. Exelby, 11 Eade Road, Norwich.

QUALIFIED; 42; single; indoor Dispensership preferred.
Barker, 1 Robinson's Place, Woodbrook, Oldham.

QUALIFIED; 15 years' best-class experience; permanency, office of this Paper.

State salary, "Reliable" (111/25).

QUALIFIED Manager desires change; only positions showing really good returns entertained; exceptional references; abstaiuer; single, under 30; London; view to succession entertained. 112/09, Office of this Paper.

QUALIFIED man, excellent references, seeks engagement; London or South; not Company Stores. 110/037, Office of this

QUALIFIED; capable Manager; energetic, tactful; knowledge of Dentistry; disengaged shortly. 110/57, Office of this

RELIEF; qualified; Wednesday, Thursday alternately, 2 p.m.; 10s. 6d.; S.-E. district; 32; reliable. 108/1, Office of this

SMART, geutlemanly youth desires position as Improver; good experience in high-class Retail trade; excellent references; disengaged. "J.," 11 Tamworth Road, Oroydon.

TWO smart, competent, unqualified Assistants (25, 27), tall, desire change; 4 years present position; thorough experience; Dispensing, Counter, and Photography; disengaged at one month; South Coast preferred. Salary and full particulars, "Aspirin," Hadleigh, Portugal Road, Woking.

UNQUALIFIED desires change; 8 years in present situation; Counter and Dispensing experience; Manchester or near preferred; good reference, 112/6, Office of this Paper.

UNQUALIFIED, 10 years' Irish experience, requires post; reasonable hours; steady, reliable; good references; aged 28; single. Addres, 111/38, Office of this Paper

YES! a qualified Manager who is honest, straightforward, an abstainer, and alive is open to accept good offer; London; permanency. 112/9, Office of this Paper.

YOUNG Lady, 20, 2 years' experience, Chemists, Counter and Stock, requires engagement; S.-E. district preferred. Address, Box H. D. at Hornoastle's, 61 Cheapside, E.C.

WHOLESALE.

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A DVERTISEMENT Copy Writer (Booklets, Folders, etc.), at present with large firm of Wholesale Chemists, seeks wider field; qualified Chemist with practical knowledge of Retail trade; unexceptionable references; salary to commence £200. 110/51, Office of this Paper.

A DVERTISER (35), tall, married, good address, seeks position of trust; used to control; or as Salesman, travelling or otherwise; experienced; 16 years' excellent references; intimato knowledge Drugs, Sundries, and Surgical Appliances; disengaged shortly. Replies to "London" (114/22), Office of this Paper.

ENERGETIC qualified Chemist, first-rate business man, with knowlego of Drysaltery, Sundries, Toilet Articles, and Instruments, and some experience in Travelling, desires appointment with Wholesale firm in which he could invest £1,000; correspondence strictly confidential. 125/32, Office of this Paper.

ELDERLY man, well educated, total abstainer, highly recom-mended, seeks situation as Collector, or similar position of trust. 118/69, Office of this Paper.

TRAVELLER, calling upon Chemists in West of England, is open for one or two Agencies on commission. "C. D." (113/13), Office of this Paper.

TRAVELLER desires Re-engagement; excellent connection and selling record; slightly above enlistable age; qualified Chemist; familiar all branches Drug and allied trades; can influence business; reliable and experienced man with first-class references. "Vivum" (111/35), Office of this Paper.

TRAVELLER, experienced commercial training, smart salesman, open to Represent first-class house; Essences, Oils, Perfumes, etc.; some connection Manufacturing Confectioners, Mineral-water Makers, Chemists. Apply, 110/26, Office of this Paper.

TRAVELLER, with established connection amongst the very best men in the West of England, requires situation. Please write for particulars. Address, Groome, 7 Brynland Avenue, Bristol.

WANTED, position as Travelling Representative in the Orient for one or more first-class firms wishing to extend their trade in India, Ceylon, China, and Straits Settlements, by English Chemist, many years resident in the East; competent to handle any line of business; good connection; ready to star; any moment; thorough knowledge of Oriental markets. Arrange interview, "Orient" (113/30), Office of this Paper.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 31 Lee Green. Shares for Sale (free of commission, subject).—150 Boots Eastern 5 per cent. Preference, 21s. 3d.; 200 Boots Southern 6 per cent. "B" Preference, 25s. 6d.; 40 Borax Deferred, 31s. 3d.; 200 A. J. White, 7s. c.d.; 500 Vine Products £1 Ordinary, 20s. 6d. (dividend last year 11 per cent.); 250 Idris "A" 6 per cent. Preference, 5s.; 2 Camwal £50 Debentures, £37 cach. Wanted (subject).—200 Lever Preferred Ordinary, 41s. 6d. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

PRE-WAR PRICES.—SECOND-HAND FITTINGS.—7-ft. Mahoganised Wall-case, £10; 6-ft. Floor Dispensing-screen, 6 ft. high, £7; Perfume-case and Desk, 45s.; Set of Plate-glass Shelves, 5 ft., with Tapped Bars and Brackets, 30s.; 4-ft. ditto, 45s.; 6-ft. Dispensing-screen, Mirror centre, £5; 6-ft. Bent-front Counter-case, 95s.; Dispensing Scales, best make, 20s. R. TOMLINSON & SONS, Headquarters Chemists' Fittings, Bond Street, Birmingham Birmingham.

SODA-WATER Trolley, that makes heavy work light, and on which a boy of 8 can easily convey 3 dozen syphons; will go through any doorway; hundreds in use in all parts of the country; carriage paid 37s. Sole Makers, Arthur & Co., 9 K.P., Cambridge.

TWO Specie Jars, 30 in. high; 1 3-gall. and 1 10-gall. P. S. Carboys; Avery's Patent Agate Balance, Class B, brass weights, \(\frac{1}{4} \) oz. to 2 lb.; Plaster Figure, Cartwright's, for Cough or Influenza Mixture; Tin with tap for filling Malt aud Oil; 3 doz. 1s. 1\(\frac{1}{2}d\) Wait-and-See Pills, 12s.; 1 doz. 2s. 9d. ditto, 12s.; 2 doz. 7\(\frac{1}{2}d\) Keene's Charco Pepsic Tablets, 8s.; \(\frac{1}{2} \) doz. 1s. 1\(\frac{1}{2}d\) ditto, 5s. 6d.; \(\frac{1}{2} \) lb. Acid. Salicyl. Pulv., 4s.; \(\frac{3}{2} \) oz. (over) Rhiz. Hydrastis, Pulv., 4s.; 1 lb. Aniline Spirit Black, 3s. 6d.; 4 oz. Phenacetine, 4s.; 4 doz. 1s. Ozonia, 10s.; carriage paid. T. Stevenson, 49 St. Helen's Road, Bolton.

CHEMIST.—Complete set of modern Fittings; good second-hand; HEMIST.—Complete set of modern Fittings; good second-hand; 12-ft. Drug Fitting, complete; 10-ft. Glass-fronted Counter; 6-ft. Dispensing Screen and Counter; Perfumery Case and Desk; 4-ft. Mahogany Bent Plate-glass Counter Case; 6-ft. Mahogany Wall Case; £43 10s. the lot; absolute bargain; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, improvements, etc.; designs, estimates free. MILLS, Shop Front, Shop Fitting, Glass Facia Works, 163-5 Old Street, London, E.C. 'Phone 550 London Wall. GREAT Bargains in Second-hand Fittings.—10-ft. Drug Fitting. 6-ft. Screen and Counter, 6-ft. Wall Case, 10-ft. Plate-glass Serving Counter, Desk and Case, Plate-glass Counter Case, £39 10s. Call or write, Philip Josephs, 93 Old Street, London, E.C. 'Phone London Wall 9057.

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SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind yon may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

N.H.I.—Those back numbers are worth money to you.

Prescriptions, Account Forms, and Tariff, and I return to you absolutely ready to forward to Committee. I have a competent staff. No order too small and none too large. F. H. Richards, Prescription Pricing Expert, 59 Dudden Hill Lane, Willesden, Lordon. London.

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The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the sustomary business channels.

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Minimum charge (including registration fee) of 1/for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the 'inquirers by the Information Department of "The Chemist! And DRUGGIST."

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Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets or powder Bromural tablets (108/2) (107/38)

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Tannoform, 1 oz. (108/33) Validol, 1 oz. (108/33) Veronal tablets (Bayer) (108/33)

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o grains hyosein. hydrobrom. 110/6, Office of this Paper. OCAINE hydrochlor., 168. oz. or 58. 4 oz. Barnes, Chemist, Newton Abbot.

lb. lithium cit., digalen (Hoffman), 6 doz. 18. Ozononia for rheumatism. Swinburn, Penrith.

OCHINEAL, silver grain, 28. 4d. lb., 7 lb. 14s. 6d., carriage

paid. Critchley, Chemist, Blackburn. lb. soda salicyl., 1 lb. pot. brom., 1 oz. cocain., 1 oz. santonine, 80 gr. codein. pur. 112/19, Office of this Paper.

OPTICAL AND PHOTOGRAPHIC.

AUNDERSON hand camera, 1-plate, with Goerz lens, B. & L. shutter, and 6 D.D. slides; excellent condition; cost £18; what offers? Dobson, Chemist, Deal.

APPARATUS.

AATTHEW'S American soda-fountain. Can be seen working at Mallalieu's, Chemist, Blackpool.

MISCELLANEOUS.

IGURE of old woman, 2 ft. high; splendid window advertisement for cough-eure; 20s.; cost 50s. Tomlinson, Bond Street, Birmingham.

HEMICAL Society Journals, 1899-1910; 14 Year-books Pharmaey; 160 medical slides; battery; what offers? Lloyd, 40 Broad Street House, E.C.

OCAIN. hyd., B.P., 178. $\Im d$. oz.; potass, permang., 7 lb., 10s. ϵd .; 2-0z. male glass syringes, 4s. 6d. doz.; 4 Zedex, 1s. $1\frac{1}{2}d$., 2s.; 5 2s. 6d. for 7s. 6d. Matthew, Pharmaceutical Chemist, 529 Battersea Park Road, London, S.W.

WANTED.

CAPSULING machine, in good order; cash. 100/58, Office of

NE or two small autographic check tills, cheap. Particulars to Cole & Son, Weymouth.

LAIN mahogany wall-case; good condition essential. W. W.

Thomas, Chemist, Knaphill, Surrey.

ANTED, "Directory of Chemists." State price and date of issue, Wheeldon, Chemist, West Didsbury.

PTICAL bocks; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

WO National Cash Registers, total-adding, with autographic attachment and detail printer. Give full particulars and lowest price, 110/20, Office of this Paper.

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TWENTY-EIGHT page booklet showing the adult doses in ordinary eases of the principal medicinal agents. The ew Edition includes the doses in Imperial and Metric terms side y side; also contains Metric equivalents for Dispensing and a amplete table of atomic weights, comprising the B.P. figures, and he International Committee's latest pronouncements (0=16 and 1=1). The booklet measures 4\frac{1}{2}\text{ in. by 2\frac{3}{2}\text{ in., and can be carried at the vest pocket. To be obtained from "The Chemist and Pruggist," 42 Cannon Street, London, E.C., for FOUR PENNY TAMPS PER COPY.

New Books.

Any book published in the United Kingdom can be supplied to our subscribers at the price quoted. Orders, with remittance, should be sent to the Publisher, 42 Cannon Street, London, E.C.

Bennett, R. R., B.Sc. (Lond.), F.I.C., Ph.C. Materia Medica and Pharmacy for Medical Students. 3rd edit. 6½ x4½. Pp. xxii+243. 4s. 6d. net. (H. K. Lewis, 136 Gower Street, London, W.C.) [This edition of Mr. Bennett's book has been revised and altered to correspond with the British Pharmacopeia, 1914, but the pharmacological classification of the previous editions has been retained. The introduction extends to twenty-two pages, and is devoted to definitions of pharmaceutical terms employed for Pharmacopeia preparations, unofficial preparations and plant-constituents, tables of weights and measures, and tables of equivalences used in stating doses in the B.P. This is followed by a concise account of the drugs, chemicals, and compound preparations of the B.P., with such diagnostic characters as are of importance in the recognition of official drugs. The subject is treated in three main groups: (1) General remedies, (2) local remedies, and (3) extraneous remedies, each group being appropriately sub-divided. The source, characters, constituents, and, where necessary, the dose of each drug are given concisely, then the official preparations and methods of manufacture, strengths, doses, and therapeutic uses. The next section is devoted to dose tables and tables of strengths of potent drugs and preparations. Then follows an appendix on incompatibility and a selection of Latin words and phrases used as directions in prescriptions. A good index concludes a volume instructive and interesting to all students of pharmacy.] of pharmacy. J

cludes a volume instructive and interesting to all students of pharmacy.]

The Medical Annual: A Year-book of Treatment and Practitioners' Index. 1915. Thirty-third year. 8\\$\times very useful reference work for doctors and pharmacists, in which the reputation of the Annual is well maintained. The volume is well illustrated, and a new and more prominent type has been adopted for this issue, which renders it easier to read.]

Thompson, C. J. S. A Compendium of the Pharmacopmas and Formularies (Official and Unofficial), with Practical Aids to Dispensing and Preseribing. 6½ ×3½. Pp. vi+398. 5s. net. (John Bale, Sons & Danielsson, Ltd.) [This is the fifth edition of this popular and useful pocket-book of reference for medical practitioners, pharmacists, and students. It covers a wide field, and deals comprehensively with modern remedies (official and unofficial), most of the European Pharmacopæias, as well as those of the United States and Japan, unofficial and useful formulæ, index of diseases and remedies, analytical notes and special tests, bacteriological memoranda, poisons and antidotes, incompatible chemicals and drugs, terms used in prescriptions (English and foreign), weights and measures, and a number of other matters of particular interest to medical men and pharmacists. The synopsis of formulæ of the B.P. has been brought up to date with regard to the new Pharmacopæia, and forms a useful pocket or abridged Pharmacopæia. The section dealing with Continental and other Pharmacopæias will be found useful by pharmacists called upon to dispense foreign prescriptions. Particularly useful to pharmacists are the Bacteriological Memoranda, in which are included formulæ for stains used in microsco-

pical work. Forty pages are devoted to a list of synonyms for drugs, chemicals, and preparations used in medicine. These are for the greater part accurate and well chosen, but we disagree with the statement that hydroxide=generic name for hydrides. A satisfactory index and dosc-table are provided. While particularly serviceable to prescribers, the volume is well worth a place on the pharmacist's book-

Prescription Problem.

THE exercise which was set in the ℓ' . d D., April 24 (Coloured Supplement), provoked a spirited contest. The prescription requires a little close study before the difficulties can be overcome. We have been much assisted in deciding moot points in the script by a Stratford chemist who has considerable experience of the prescriber's writing. The correct reading of the prescription is as follows: is as follows:

Sod. Salicyl Jij Liq. Hyd. Perch. 5iij Ext. Glyc. Liq. q.s. āvj. ft. M.
Cry. Ae. Boric Sj
M.d.

A reading correct in every particular was received from MR. A. T. RUTHERFORD, Sydney Crescent, Newbigginby-the-Sea,

to whom we award a copy of Wootton's "Chronicles of Pharmacy." Replies practically correct were also received from Mr. A. Ashfield, Ph.C., High Street, Shanklin, and Mr. A. Shaw, 52 Nevill Street, Southport. The following prescription forms the subject of the next competition. Postcard answers only are permissible, and should be posted not later than June 19. Prizes will be awarded at the discretion of the Editor.

This frescription form is the property of the Committee and may only the used for purposes of obtaining frenges appliance described between. This form third shouldbe taken or easily by the finished person to any Chemiston the London that "London that "London that "Redespost charged on oxile very the referenced when bottle "London that "Redespost charged on oxile will be referreded when bottle "London that".

West Riding Pharmaceutical Committee.

A MEETING was held at Leeds on Tuesday, June 8, Mr. F. Pilkington Sargeant in the chair. The question of the payment of chemists' accounts was under discussion, particularly with reference to the unpaid balances for 1914. The proposals by Mr. Montagu on April 6 (see C. & D., April 10, p. 41) were considered. It is expected that each chemist will shortly receive the terms of the proposed emergency settlement, and the Committee decided to advise West Riding chemists to accept the proposed provisional payment. A resolution was sent to the Insurance Committee on pricing and checking, and the Panel Committee was requested to take steps for surcharging doctors whose accounts show glaringly excessive prescribing. As the 1919 B.P. comes into force on July 1, the revised West Riding Formulary is promised by the West, Riding Medical Committee before that date. It is understood that the sixteen members of this Committee will offer themselves for reelection. The Secretary's report was adopted, and a copy will be sent to each West Riding panel chemist.

Australasian News.

'The Chemist and Druggist" is supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

The Commonwealth.

B.P. 1914.—The official dates so far fixed upon which the British Pharmacopeeia, 1914, will come into, force as a legal standard arc as follows: New South Wales, July 1: Victoria, September 1: Queensland, South Australia, and Tasmania (suggested), January 1, 1916.

New South Wales.

LIME-SULPHUR SPRAYS.—The Department of Agriculture has issued as Science Bulletin No. 13 three papers by Mr. A. A. Ramsay on the preparation, composition, and analysis of lime-sulphur sprays employed in horticulture. It is a record of much analytical work, the practical result of which is to indicate that the best proportions of lime and sulphur are 1 part of lime (CaO) to 2 parts of sulphur. The maximum sulphur-content is obtained by boiling briskly together 50 lb. pure lime, 100 lb. pure sulphur, and 50 gals. Orange Lily Suppositories.—The Board of Health has recommended the prohibition in the State of the advertise.

ORINGE LILY SUPPOSITORIES.—The Board of Health has recommicnded the prohibition in the State of the advertisement and sale of the remedies of the Ladies' College of Health. These remedies are: (1) "Orange Lily" suppositories, which the Government analyst certified to contain 30 per cent. of alum, 17 per cent. of boric acid, and about 5 per cent. of opium, the weight of each suppository being 2.86 grams: (2) blood and liver powders, consisting of sugar of milk with traces of mercury and strychnine; (3) kidneytablets, consisting of sugar of milk; (4) mothers' cordial, a box of herbs, of which savin, rue, pennyroyal, couch-grass, canella-bark, and gentian were recognised, and the presence of hydrastis and lobelia suspected.

South Australia.

FOOD AND DRUGS REGULATIONS.—The Government published on February 25 in the "Gazette" an Order in Council bringing into operation from various dates a complete new set of regulations, which agree, except in a few very minor points, with the standard regulations recommended at the Interstate Conference held in Melbourne in 1913. The effect of Regulations 69 and 70 is to bring the British Pharmacopoeia, 1914, into operation on January 1, 1916.

Victoria.

PHARMACEUTICAL SOCIETY.—At the annual meeting of the Society, held in Melbourne on March 23, a motion was carried recommending the Council to take into consideration the change of name to "Pharmaceutical Society of Australasia, Victorian Scction," and report to the next annual meeting

Western Australia.

Western Australia.

Pharmaceutical Council.—The Pharmaceutical Register and Report of the Pharmaceutical Council of Western Australia for 1914, has reached us. A paragraph in the report calls the attention of master-pharmacists to the necessity of affording to their apprentices every facility and encouragement to attend technical classes. The register contains 211 names, thirty-six of these being registered with the British qualification.—In conjunction with the Western Australian Branch of the British Medical Association, the Council has issued a small card-folder, which gives in an abbreviated form the main alterations in the new Pharmacopœia. Medical men, to whom the publication is issued, are also urged to help the Empire by avoiding the use of German proprietary drug-names, and employing instead the chemical or B.P. equivalents.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, June 16.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 11 A.M. Annual general meeting of members residing in Scotland and election of Executive. Thursday, June 17.

Chemical Society, Burlington House, Piccadilly, London, W., at 8.30 p.m. Among the papers to be communicated are the following: "The Rotatory Dispersive Power of Organic Compounds. Part VIII. Tartaric Acid and the Tartrates," by Dr. T. M. Lowry and Mr. P. C. Austin; "A Study in the Coumarin Condensation," by Mr. B. B. Dey; "Reactivity of the Halogens in Organic Compounds," by Dr. G. Senter and Mr. H. Wood Mr. H. Wood.

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